

## **Exhibit 10**

Customer No. 30223

PATENT

IN THE UN



U.S. PATENT AND TRADEMARK OFFICE

In Re Application Of:

Richard J. Lazzara  
Thomas S. Heylmun  
Keith D. Beaty

Application No.: 09/237,605

Filed: January 25, 1999

For: Infection-Blocking Dental Implant

Atty. Docket No.: 47168-00035USC1

Examiner: Paul Prebilic

Group Art Unit: 3738

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TECHNOLOGY CENTER R0700

DECLARATION UNDER 37 C.F.R. § 1.132

Commissioner for Patents  
Washington, D.C. 20231

Dear Sir:

In response to the Office Action dated October 22, 2001, in the subject application, the declarant wishes to provide the following information supporting patentability of the invention claimed in the application.

1. I am Dr. Stephan S. Porter holding the degrees of M.S.D. from Indiana University School of Dentistry and of DDS and MS from the Ohio State University College of Dentistry. I have been employed by Implant Innovations, Inc. ("II"), since July 1997, and currently hold the title of Senior Director of New Product Development and Research.

2. I am familiar with the pending claims, claims 11-50, that are directed to an implant having a certain type of surface. I am aware of the Office Action dated October 22, 2001, and the obviousness rejections in that Office Action. I understand that the analysis of the patentability of claims 11-50 should take into account certain facts related to the clinical success and the

commercial success of the claimed implant. I wish to provide evidence showing that dental implants having a roughened surface as claimed in the application have achieved substantial clinical efficacy. Furthermore, I wish to provide evidence showing that the implants having the claimed surface have been commercially successful, as evidenced not only by *3i*'s own sales figures, but also by competitors' marketing literature that suggests that even *3i*'s competitors have recognized the commercial success of the claimed implants.

3. Dental implants having a roughened surface according to the invention have been designated to have an Osseotite® surface by *3i*, the assignee of the present application. Attached as Exhibit "A" is a surface map of the Osseotite® surface made by an interferometric microscope. The threaded implant is made of titanium and has been prepared in accordance with a two-step, acid-etch treatment wherein the native oxide layer is substantially removed via hydrofluoric acid and the resultant surface is etched with a combination of sulfuric and hydrochloric acids. The resulting topography has a substantially uniform array of substantially cone-shaped irregularities with peak-to-valley heights of less than 10 microns. I have personally placed and restored numerous implants, including *3i*'s Osseotite® implants.

4. Implants with an Osseotite® surface, like that shown in Exhibit "A," have been marketed by *3i* since 1996. Sales of implants with the Osseotite® surface have rapidly increased relative to *3i*'s implants with other types of surfaces since 1996. In 2001, implants with the Osseotite® surface accounted for 94% of all implants sold by *3i*, as shown in the table below.

U.S. Sales Year	% Implants Sold Having Osseotite® Surface	% Implants Sold Without Osseotite® Surface
1996	17	83
1997 <sup>1</sup>	30-40	60-70
1998	58	42
1999	87	13
2000	90	10
2001	94	6

5. Implants having different types of surfaces other than an Osseotite® surface were offered for sale at the same time, as shown by *Ji*'s 1997 Surgical Catalog, 1998, 2000, 2001, and 2002 Price Lists, and 2000 Surgical Catalog, all of which are attached as Exhibit "B." Threaded implants with machined titanium surfaces and cylindrical implants having plasma sprayed titanium surfaces (TPS) were also available. Generally, where *Ji* offers for sale an implant with the Osseotite® surface, a threaded implant of the same size with a machined surface is offered, and also a cylindrical implant with a TPS surface may be offered. See, e.g., Exhibit "B," 2000 Surgical Catalog, pp. 4, 5, 8, 9, 12, 13, 16, 17, 22, 23, 28 and 29. When comparing the machined surface implants and the TPS implants with the Osseotite® surface, the difference between the implants is related to the surface in contact with bone. It can be concluded that dental clinicians prefer to use the Osseotite® surface rather than the machined surface or the TPS surface. In each size, implants having an Osseotite® surface are more expensive than the threaded implants with the machined surface and the cylindrical implants having the TPS surface, as shown in the Price Lists (Exhibit B). Thus, the commercial success of the Osseotite® surface cannot be attributed to a cost advantage.

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<sup>1</sup>Estimates based on actual number sold between July and December 1997.



6. The success of implants having an Osseotite® surface is related to the superior osseointegration that it achieves. After being installed, implants must be allowed to integrate with the adjacent bone in order that forces which will be imposed by an artificial tooth installed on the implant can be transferred to the bone. Failure to achieve osseointegration means that the implant loosens and must be removed. Traditionally, the period required for osseointegration had been three to six months after installation of the implant, depending on the location where the implant is installed. In 1999, after clinical experience and experimental evidence showed that the time required for functional osseointegration was significantly reduced for implants having Osseotite® surfaces, 3i began recommending that its Osseotite® implants could be loaded with the final prosthesis after only two months of osseointegration, regardless of the location at which the implant is placed. The United States Food and Drug Administration approved of 3i's marketing of the Osseotite® implants in this manner and a copy of 3i's FDA submittal is enclosed as Exhibit C. As will be seen in the clinical tests reported in Exhibit C, the Osseotite® surface was found to have a particularly suitable roughness for migration of osteogenic cells needed for osseointegration of bone with the titanium surface of the implant.

7. As can be seen in the table in paragraph 4 above, sales of 3i's implants having Osseotite® surfaces increased from 58% in 1998 to 84% in 1999 relative to all implants sold. I attribute this commercial success of the Osseotite® surface to the fact that the clinically-proven enhanced osseointegration achieved by the Osseotite® surface satisfied a long-felt need in that clinicians (as well as patients) would much prefer to reduce the time during which the patient lacks the final prosthesis. Thus, the Osseotite® surface has made possible an important advancement in the art of implantology, as has been recognized by patients, dentists, and 3i's own competitors.

8. From the mid-1980's until 1996, when 3i introduced its Osseotite® surface, the vast majority of implants that were sold to clinicians in the United States had either a machined surface, a TPS surface, or an HA (hydroxy apatite) surface. In recent years, the commercial success of 3i's Osseotite® surface has been recognized by competitors. Exhibit "D" includes marketing literature in which a competitor is marketing an implant that has a roughened surface (not TPS or HA, both of which are roughened surfaces) that is compared with the Osseotite® surface of 3i. This competitive literature is dated between 1998 and 2001, after the clinical success of 3i's Osseotite® surface had become well-documented. In the first piece of literature, dated 2000, Steri-Oss, a Nobel Biocare subsidiary, is comparing its acid-etched surface to 3i's Osseotite® surface. In the second piece of literature, Nobel Biocare's commercial journal entitled "Applied Osseointegration Research Journal" dated October 2000, Nobel Biocare compares its TiUnite™ surface with 3i's Osseotite® surface at pp. 25-30. In the third piece of literature, dated 1998, ITI Straumann compares its SLA surface (which was apparently to be commercially released in the United States in late 1998) with 3i's Osseotite® surface. In the fourth piece of literature, dated 2001, LifeCore Biomedical compares its RBM™ surface with 3i's Osseotite® surface and Straumann's SLA surface. As these companies represent the world's largest dental implant manufacturers that sell implants in the United States, it is evident that competitors consider the Osseotite® surface to be the "Gold Standard" to which they compare their own roughened surfaces. Competitive flattery via these product comparisons is compelling evidence of the commercial success of 3i's Osseotite® surface.

9. The undersigned, being hereby warned that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of this

Declaration, declares that the facts set forth in this Declaration are true, and all statements made of his own knowledge are true, and all statements made on information and belief are believed to be true.

Date: 4/18/02

  
Stephan S. Porter

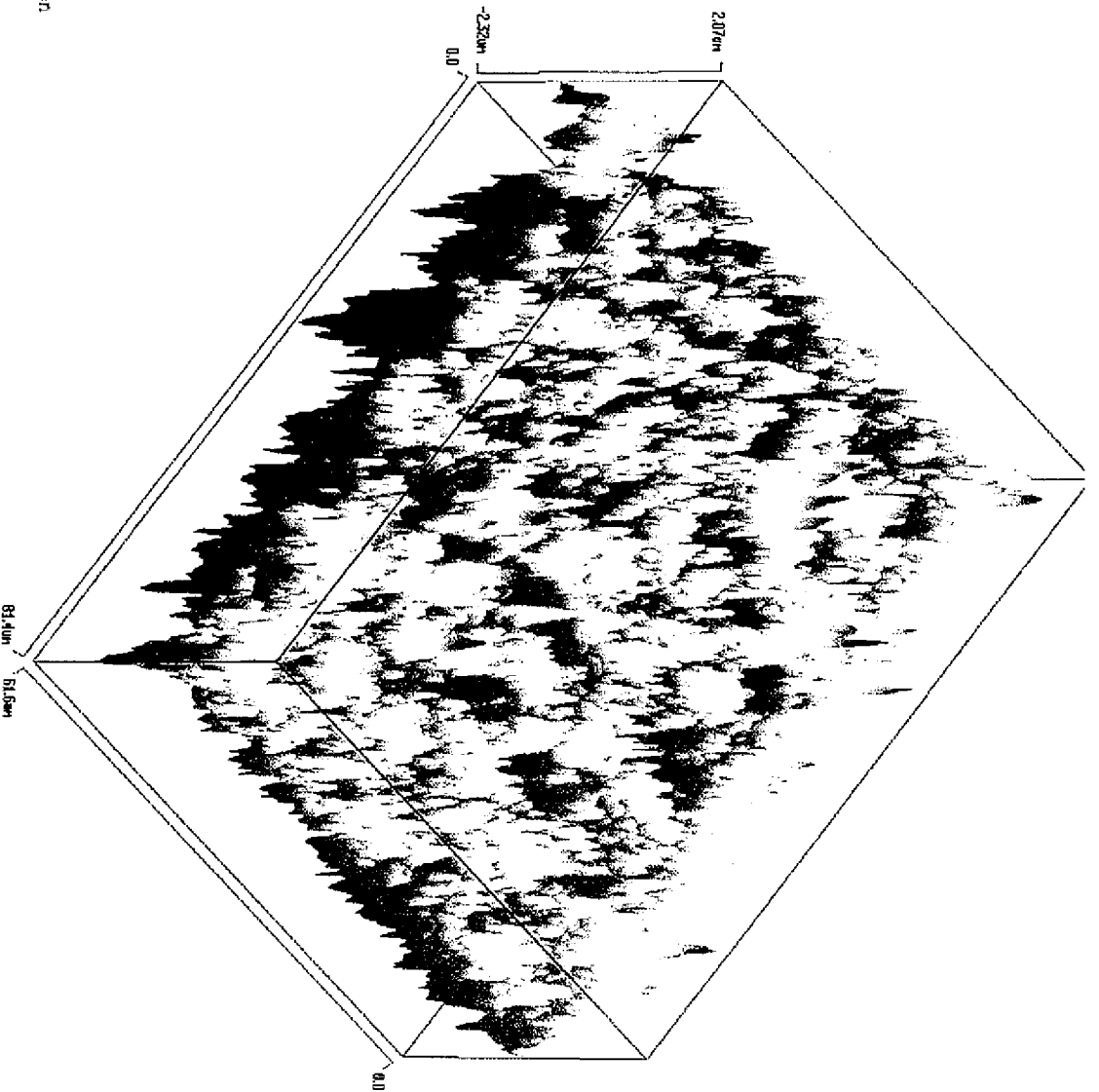
## **EXHIBITS**

- A. Surface Map**
- B. 1998 Price List  
2000 Price List  
2001 Price List  
2002 Price List  
1997 Surgical Catalog  
2000 Surgical Catalog**
- C. FDA Submission**
- D. 1. Steri-Oss/1990  
(A decade of acid etched surfaces)**
  - 2. Pages 25-30  
Applied Osseointegration Research Journal**
  - 3. 2000 ITI Lit**
  - 4. LifeCore Lit**

# OSSEOTITE SURFACE MAP FROM INTERFEROMETRIC MICROSCOPE

3D Hybrid Map (Surface)

Tilt Rotation  
32 42



Title :		Statistics of Surface: OSF00	
Part ID :		Rq: 2.07um	Rq: 0.44um Area: 81.41x6.65um
Customer :		Rv: -2.32um	Ra: 0.34um Mag: 100.8
Operator :		Pv: 4.39um	Rsx: 0.15 DATE: 01-04-2001
Field-5 :		Pt: 356560	Rky: 3.43 TIME: 10:34:28
Field-6 :		Terms Subtracted:	Tilt
Comment :			

ADE/PHASE SHIFT  
MapVue EX - Surface Mapping Software  
Version 6.31 (c) 1985-2000

# **3i** Price Lis

Effective February 1998



**Product Listing**

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## **Products Listed By Code Number**

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## Surgical Products

### **Products Listed By Description**



## SURGICAL PRODUCTS BY DESCRIPTION

External Hex Implants	Catalog Number	Price Each
MicroMiniplant 3.25 x 8.5mm OSSEOTITE	OSM385	\$ 225.00
MicroMiniplant 3.25 x 10mm OSSEOTITE	OSM310	\$ 225.00
MicroMiniplant 3.25 x 11.5mm OSSEOTITE	OSM311	\$ 225.00
MicroMiniplant 3.25 x 13mm OSSEOTITE	OSM313	\$ 225.00
MicroMiniplant 3.25 x 15mm OSSEOTITE	OSM315	\$ 225.00
MicroMiniplant 3.25 x 13mm OSSEOTITE	OSM318	\$ 225.00
MicroMiniplant 3.25 x 8.5mm ICE Super Self-Tapping	MM385	\$ 205.00
MicroMiniplant 3.25 x 10mm ICE Super Self-Tapping	MM310	\$ 205.00
MicroMiniplant 3.25 x 11.5mm ICE Super Self-Tapping	MM311	\$ 205.00
MicroMiniplant 3.25 x 13mm ICE Super Self-Tapping	MM313	\$ 205.00
MicroMiniplant 3.25 x 15mm ICE Super Self-Tapping	MM315	\$ 205.00
MicroMiniplant 3.25 x 18mm ICE Super Self-Tapping	MM318	\$ 205.00
MicroMiniplant 3.3 x 8.5mm Cylinder	TM385	\$ 205.00
MicroMiniplant 3.3 x 10mm Cylinder	TM310	\$ 205.00
MicroMiniplant 3.3 x 13mm Cylinder	TM313	\$ 205.00
MicroMiniplant 3.3 x 15mm Cylinder	TM315	\$ 205.00
MicroMiniplant Implant Cover Screw	MMCS1	\$ 31.00
MicroMiniplant Headless Cover Screw	CS275	\$ 34.00
MicroMiniplant Mount 3mm	MMC03	\$ 93.00
MicroMiniplant Mount 15mm	MMC15	\$ 93.00
Miniplant 3.25 x 8.5mm OSSEOTITE	OS3285	\$ 225.00
Miniplant 3.25 x 10mm OSSEOTITE	OS3210	\$ 225.00
Miniplant 3.25 x 11.5mm OSSEOTITE	OS3211	\$ 225.00
Miniplant 3.25 x 13mm OSSEOTITE	OS3213	\$ 225.00
Miniplant 3.25 x 15mm OSSEOTITE	OS3215	\$ 225.00
Miniplant 3.25 x 18mm OSSEOTITE	OS3218	\$ 225.00
Miniplant 3.25 x 8.5mm ICE Super Self-Tapping	MH385	\$ 205.00
Miniplant 3.25 x 10mm ICE Super Self-Tapping	MH310	\$ 205.00
Miniplant 3.25 x 11.5mm ICE Super Self-Tapping	MH311	\$ 205.00
Miniplant 3.25 x 13mm ICE Super Self-Tapping	MH313	\$ 205.00
Miniplant 3.25 x 15mm ICE Super Self-Tapping	MH315	\$ 205.00
Miniplant 3.3 x 8.5mm Cylinder	TH385	\$ 205.00
Miniplant 3.3 x 10mm Cylinder	TH310	\$ 205.00
Miniplant 3.3 x 13mm Cylinder	TH313	\$ 205.00
Miniplant 3.3 x 15mm Cylinder	TH315	\$ 205.00
Miniplant/Standard Cover Screw	CS375	\$ 45.00
Miniplant/Standard Headless Cover Screw	CS275	\$ 34.00
Standard Diameter 3.75 x 8.5mm OSSEOTITE	OSS385	\$ 225.00
Standard Diameter 3.75 x 10mm OSSEOTITE	OSS310	\$ 225.00
Standard Diameter 3.75 x 11.5mm OSSEOTITE	OSS311	\$ 225.00
Standard Diameter 3.75 x 13mm OSSEOTITE	OSS313	\$ 225.00
Standard Diameter 3.75 x 15mm OSSEOTITE	OSS315	\$ 225.00
Standard Diameter 3.75 x 18mm OSSEOTITE	OSS318	\$ 225.00

## SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
Standard Diameter 3.75 x 20mm OSSEOTITE	OSS320	\$ 225.00
Standard Diameter 3.75 x 8.5mm ICE Super Self-Tapping	ICE385	\$ 205.00
Standard Diameter 3.75 x 10mm ICE Super Self-Tapping	ICE310	\$ 205.00
Standard Diameter 3.75 x 11.5mm ICE Super Self-Tapping	ICE311	\$ 205.00
Standard Diameter 3.75 x 13mm ICE Super Self-Tapping	ICE313	\$ 205.00
Standard Diameter 3.75 x 15mm ICE Super Self-Tapping	ICE315	\$ 205.00
Standard Diameter 3.75 x 18mm ICE Super Self-Tapping	ICE318	\$ 205.00
Standard Diameter 3.75 x 20mm ICE Super Self-Tapping	ICE320	\$ 205.00
Standard Diameter 3.75 x 8.5mm ST Self-Tapping Threaded	ST385	\$ 175.00
Standard Diameter 3.75 x 10mm ST Self-Tapping Threaded	ST310	\$ 175.00
Standard Diameter 3.75 x 13mm ST Self-Tapping Threaded	ST313	\$ 175.00
Standard Diameter 3.75 x 15mm ST Self-Tapping Threaded	ST315	\$ 175.00
Standard Diameter 3.75 x 18mm ST Self-Tapping Threaded	ST318	\$ 175.00
Standard Diameter 3.75 x 20mm ST Self-Tapping Threaded	ST320	\$ 175.00
Standard Diameter 4.0 x 8.5mm OSSEOTITE	OSS485	\$ 225.00
Standard Diameter 4.0 x 10mm OSSEOTITE	OSS410	\$ 225.00
Standard Diameter 4.0 x 11.5mm OSSEOTITE	OSS411	\$ 225.00
Standard Diameter 4.0 x 13mm OSSEOTITE	OSS413	\$ 225.00
Standard Diameter 4.0 x 15mm OSSEOTITE	OSS415	\$ 225.00
Standard Diameter 4.0 x 18mm OSSEOTITE	OSS418	\$ 225.00
Standard Diameter 4.0 x 20mm OSSEOTITE	OSS420	\$ 225.00
Standard Diameter 4.0 x 8.5mm ICE Super Self-Tapping	ICE485	\$ 205.00
Standard Diameter 4.0 x 10mm ICE Super Self-Tapping	ICE410	\$ 205.00
Standard Diameter 4.0 x 11.5mm ICE Super Self-Tapping	ICE411	\$ 205.00
Standard Diameter 4.0 x 13mm ICE Super Self-Tapping	ICE413	\$ 205.00
Standard Diameter 4.0 x 15mm ICE Super Self-Tapping	ICE415	\$ 205.00
Standard Diameter 4.0 x 18mm ICE Super Self-Tapping	ICE418	\$ 205.00
Standard Diameter 4.0 x 20mm ICE Super Self-Tapping	ICE420	\$ 205.00
Standard Diameter 4.0 x 7mm Cylinder	TP407	\$ 205.00
Standard Diameter 4.0 x 8.5mm Cylinder	TP485	\$ 205.00
Standard Diameter 4.0 x 10mm Cylinder	TP410	\$ 205.00
Standard Diameter 4.0 x 13mm Cylinder	TP413	\$ 205.00
Standard Diameter 4.0 x 15mm Cylinder	TP415	\$ 205.00
Standard Diameter 4.0 x 18mm Cylinder	TP418	\$ 205.00
Standard Diameter Implant Cover Screw	CS375	\$ 45.00
Standard Diameter Headless Cover Screw	CS275	\$ 34.00
Wide Diameter 5.0 x 7mm OSSEOTITE	OSS507	\$ 250.00
Wide Diameter 5.0 x 8.5mm OSSEOTITE	OSS585	\$ 250.00
Wide Diameter 5.0 x 10mm OSSEOTITE	OSS510	\$ 250.00
Wide Diameter 5.0 x 11.5mm OSSEOTITE	OSS511	\$ 250.00
Wide Diameter 5.0 x 13mm OSSEOTITE	OSS513	\$ 250.00
Wide Diameter 5.0 x 15mm OSSEOTITE	OSS515	\$ 250.00
Wide Diameter 5.0 x 18mm OSSEOTITE	OSS518	\$ 250.00
Wide Diameter 5.0 x 7mm ICE Super Self-Tapping	ICE507	\$ 225.00
Wide Diameter 5.0 x 8.5mm ICE Super Self-Tapping	ICE585	\$ 225.00
Wide Diameter 5.0 x 10mm ICE Super Self-Tapping	ICE510	\$ 225.00
Wide Diameter 5.0 x 11.5mm ICE Super Self-Tapping	ICE511	\$ 225.00
Wide Diameter 5.0 x 13mm ICE Super Self-Tapping	ICE513	\$ 225.00
Wide Diameter 5.0 x 15mm ICE Super Self-Tapping	ICE515	\$ 225.00
Wide Diameter 5.0 x 18mm ICE Super Self Tapping	ICE518	\$ 225.00

## SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
Wide Diameter 5.0 x 7mm Cylinder	TP507	\$ 225.00
Wide Diameter 5.0 x 8.5mm Cylinder	TP585	\$ 225.00
Wide Diameter 5.0 x 10mm Cylinder	TP510	\$ 225.00
Wide Diameter 5.0 x 13mm Cylinder	TP513	\$ 225.00
Wide Diameter 5.0mm Implant Cover Screw	CS500	\$ 45.00
Wide Diameter 5.0mm Headless Cover Screw	CS275	\$ 34.00

Wide Diameter 6.0 x 7mm OSSEOTITE	OSS607	\$ 250.00
Wide Diameter 6.0 x 8.5mm OSSEOTITE	OSS685	\$ 250.00
Wide Diameter 6.0 x 10mm OSSEOTITE	OSS610	\$ 250.00
Wide Diameter 6.0 x 11.5mm OSSEOTITE	OSS611	\$ 250.00
Wide Diameter 6.0 x 13mm OSSEOTITE	OSS613	\$ 250.00
Wide Diameter 6.0 x 15mm OSSEOTITE	OSS615	\$ 250.00
Wide Diameter 6.0 x 18mm OSSEOTITE	OSS618	\$ 250.00
Wide Diameter 6.0 x 7mm ICE Super Self-Tapping	ICE607	\$ 225.00
Wide Diameter 6.0 x 8.5mm ICE Super Self-Tapping	ICE685	\$ 225.00
Wide Diameter 6.0 x 10mm ICE Super Self-Tapping	ICE610	\$ 225.00
Wide Diameter 6.0 x 11.5mm ICE Super Self-Tapping	ICE611	\$ 225.00
Wide Diameter 6.0 x 13mm ICE Super Self-Tapping	ICE613	\$ 225.00
Wide Diameter 6.0 x 15mm ICE Super Self-Tapping	ICE615	\$ 225.00
Wide Diameter 6.0 x 18mm ICE Super Self-Tapping	ICE618	\$ 225.00
Wide Diameter 6.0 x 7mm Cylinder	TP607	\$ 225.00
Wide Diameter 6.0 x 8.5mm Cylinder	TP685	\$ 225.00
Wide Diameter 6.0 x 10mm Cylinder	TP610	\$ 225.00
Wide Diameter 6.0 x 13mm Cylinder	TP613	\$ 225.00
Wide Diameter 6.0mm Implant Cover Screw	CS600	\$ 45.00
Wide Diameter 6.0mm Headless Cover Screw	CS275	\$ 34.00

TG 1.8/Osseotite 3.25mm x 8.5mm	TG2385	\$ 220.00
TG 1.8/Osseotite 3.25mm x 10mm	TG2310	\$ 220.00
TG 1.8/Osseotite 3.25mm x 11.5mm	TG2311	\$ 220.00
TG 1.8/Osseotite 3.25mm x 13mm	TG2313	\$ 220.00
TG 1.8/Osseotite 3.25mm x 15mm	TG2315	\$ 220.00
TG 2.8/Osseotite 3.25mm x 8.5mm	TG3385	\$ 220.00
TG 2.8/Osseotite 3.25mm x 10mm	TG3310	\$ 220.00
TG 2.8/Osseotite 3.25mm x 11.5mm	TG3311	\$ 220.00
TG 2.8/Osseotite 3.25mm x 13mm	TG3313	\$ 220.00
TG 2.8/Osseotite 3.25mm x 15mm	TG3315	\$ 220.00
TG 1.8/Osseotite 4mm x 8.5mm	TG2485	\$ 220.00
TG 1.8/Osseotite 4mm x 10mm	TG2410	\$ 220.00
TG 1.8/Osseotite 4mm x 11.5mm	TG2411	\$ 220.00
TG 1.8/Osseotite 4mm x 13mm	TG2413	\$ 220.00
TG 1.8/Osseotite 4mm x 15mm	TG2415	\$ 220.00
TG 2.8/Osseotite 4mm x 8.5mm	TG3485	\$ 220.00
TG 2.8/Osseotite 4mm x 10mm	TG3410	\$ 220.00
TG 2.8/Osseotite 4mm x 11.5mm	TG3411	\$ 220.00
TG 2.8/Osseotite 4mm x 13mm	TG3413	\$ 220.00
TG 2.8/Osseotite 4mm x 15mm	TG3415	\$ 220.00
TG 1.8/Osseotite 5mm x 8.5mm	TG2585	\$ 250.00
TG 1.8/Osseotite 5mm x 10mm	TG2510	\$ 250.00

## SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
TG 1.8/Osseotite 5mm x 11.5mm	TG2511	\$ 250.00
TG 1.8/Osseotite 2mm x 13mm	TG2513	\$ 250.00
TG 1.8/Osseotite 5mm x 15mm	TG2515	\$ 250.00
TG 2.8/Osseotite 5mm x 8.5mm	TG3585	\$ 250.00
TG 2.8/Osseotite 5mm x 10mm	TG3510	\$ 250.00
TG 2.8/Osseotite 5mm x 11.5mm	TG3511	\$ 250.00
TG 2.8/Osseotite 5mm x 13mm	TG3513	\$ 250.00
TG 2.8/Osseotite 5mm x 15mm	TG3515	\$ 250.00
TG Cover Screw 0.5mm	TGCS05	\$ 20.00
TG Cover Screw 1mm	TGCS10	\$ 25.00
TG Cover Screw 2mm	TGCS20	\$ 40.00
TG Cover Screw 3mm	TGCS30	\$ 40.00
TG Cover Screw 4mm	TGCS40	\$ 40.00
TG Cover Screw 5mm	TGCS50	\$ 40.00
MicroMiniplant 3.8 x 2mm EP One-Piece Healing Abutment	MHA32	\$ 33.00
MicroMiniplant 3.8 x 4mm EP One-Piece Healing Abutment	MHA34	\$ 33.00
MicroMiniplant 3.8 x 6mm EP One-Piece Healing Abutment	MHA36	\$ 33.00
Miniplant/Standard 5.0 x 2mm EP One-Piece Healing Abutment	THA52	\$ 29.00
Miniplant/Standard 5.0 x 4mm EP One-Piece Healing Abutment	THA54	\$ 29.00
Miniplant/Standard 5.0 x 6mm EP One-Piece Healing Abutment	THA56	\$ 29.00
Miniplant/Standard 5.0 x 8mm EP One-Piece Healing Abutment	THA58	\$ 29.00
Miniplant/Standard 6.0 x 4mm EP One-Piece Healing Abutment	THA64	\$ 38.00
Miniplant/Standard 6.0 x 6mm EP One-Piece Healing Abutment	THA66	\$ 38.00
Miniplant/Standard 6.0 x 8mm EP One-Piece Healing Abutment	THA68	\$ 38.00
Miniplant/Standard 7.5 x 4mm EP One-Piece Healing Abutment	THA74	\$ 38.00
Miniplant/Standard 7.5 x 6mm EP One-Piece Healing Abutment	THA76	\$ 38.00
Miniplant/Standard 7.5 x 8mm EP One-Piece Healing Abutment	THA78	\$ 38.00
Miniplant/Standard 5.0 x 4mm EP Two-Piece Healing Abutment	TH254	\$ 35.00
Miniplant/Standard 5.0 x 6mm EP Two-Piece Healing Abutment	TH256	\$ 35.00
Miniplant/Standard 5.0 x 8mm EP Two-Piece Healing Abutment	TH258	\$ 35.00
Miniplant/Standard 6.0 x 4mm EP Two-Piece Healing Abutment	TH264	\$ 39.00
Miniplant/Standard 6.0 x 6mm EP Two-Piece Healing Abutment	TH266	\$ 39.00
Miniplant/Standard 6.0 x 8mm EP Two-Piece Healing Abutment	TH268	\$ 39.00
Miniplant/Standard 7.5 x 4mm EP Two-Piece Healing Abutment	TH274	\$ 39.00
Miniplant/Standard 7.5 x 6mm EP Two-Piece Healing Abutment	TH276	\$ 39.00
Miniplant/Standard 7.5 x 8mm EP Two-Piece Healing Abutment	TH278	\$ 39.00
Miniplant/Standard GingiSCULPT Healing Abutment Premolar	SABC4	\$ 40.00
Miniplant/Standard GingiSCULPT Healing Abutment Large Incisor	SALI4	\$ 40.00
Miniplant/Standard GingiSCULPT Healing Abutment Molar	SAMO4	\$ 40.00
Miniplant/Standard GingiSCULPT Healing Abutment Small Incisor	SASI4	\$ 40.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 2mm	WTH52	\$ 42.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 4mm	WTH54	\$ 42.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 6mm	WTH56	\$ 42.00

## SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Healing Abutments (Continued)</b>		
Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 8mm	WTH58	\$ 42.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 6.0 x 2mm	WTH562	\$ 42.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 6.0 x 4mm	WTH564	\$ 42.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 6.0 x 6mm	WTH566	\$ 42.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 6.0 x 8mm	WTH568	\$ 42.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 2mm	WTH572	\$ 42.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 4mm	WTH574	\$ 42.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 6mm	WTH576	\$ 42.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 8mm	WTH578	\$ 42.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 5.0 x 4mm	WT2554	\$ 49.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 5.0 x 6mm	WT2556	\$ 49.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 5.0 x 8mm	WT2558	\$ 49.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 6.0 x 4mm	WT2564	\$ 49.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 6.0 x 6mm	WT2566	\$ 49.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 6.0 x 8mm	WT2568	\$ 49.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 7.5 x 4mm	WT2574	\$ 49.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 7.5 x 6mm	WT2576	\$ 49.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 7.5 x 8mm	WT2578	\$ 49.00
Wide Diameter 5.0mm GingiSCULPT Healing Abutment Large Incisor	SAL54	\$ 40.00
Wide Diameter 5.0mm GingiSCULPT Healing Abutment Molar	SAM54	\$ 40.00
Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 2mm	WTH62	\$ 42.00
Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 4mm	WTH64	\$ 42.00
Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 6mm	WTH66	\$ 42.00
Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 8mm	WTH68	\$ 42.00
Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 2mm	WTH672	\$ 42.00
Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 4mm	WTH674	\$ 42.00
Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 6mm	WTH676	\$ 42.00
Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 8mm	WTH678	\$ 42.00
Wide Diameter 6.0mm EP Two-Piece Healing Abutment 6.0 x 4mm	WT2664	\$ 49.00
Wide Diameter 6.0mm EP Two-Piece Healing Abutment 6.0 x 6mm	WT2666	\$ 49.00
Wide Diameter 6.0mm EP Two-Piece Healing Abutment 6.0 x 8mm	WT2668	\$ 49.00
Wide Diameter 6.0mm EP Two-Piece Healing Abutment 7.5 x 4mm	WT2674	\$ 49.00
Wide Diameter 6.0mm EP Two-Piece Healing Abutment 7.5 x 6mm	WT2676	\$ 49.00
Wide Diameter 6.0mm EP Two-Piece Healing Abutment 7.5 x 8mm	WT2678	\$ 49.00
Wide Diameter 6.0mm GingiSCULPT Healing Abutment Molar	SAM64	\$ 40.00

Radiographic Marking Balls - 30 pack	RMB30	\$ 16.00
Stent Guide Tubes - 25 pack	SGT25	\$ 27.00
Surgical Pack - Hospital Standard	CSPHS	\$ 99.00
Surgical Pack - Office Standard	CSPOS	\$ 75.00
Surgical Pack - Office Standard (Internal Irrigation)	CSPOI	\$ 75.00
Surgical Drilling Unit	DU300	\$ 5,494.00
Basic Surgical Kit for Threaded Implants	SKT20	\$ 2,575.00
Basic Surgical Kit for Threaded Implants without Drills	SKT20A	\$ 1,880.00
Surgical Kit for 5.0/6.0mm Wide Diameter Threaded Implants	SKT22	\$ 1,500.00
Surgical Kit for 3.3/4.0/4.25mm Cylinder Implants	SKT23	\$ 545.00
Surgical Kit for 5.0/6.0mm Wide Diameter Cylinder Implants	SKT24	\$ 745.00
Basic Surgical Kit for Cylinder Implants	SKT25	\$ 2,577.00
Basic Surgical Kit for Cylinder Implants without Drills	SKT25A	\$ 1,489.50

## SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
Aluminum Surgical Tray	TT250	\$ 340.00
Surgical Tray and Blue Drill Organizing Block	TT300	\$ 798.50
<b>Multiple Patient Use Drills</b>		
Round Drill	RD100	\$ 30.00
Internally Irrigated Tri-Spade Twist Drill 2.75mm x 10mm	ITD2710	\$ 90.00
Internally Irrigated Tri-Spade Twist Drill 2.75mm x 15mm	ITD2715	\$ 90.00
Internally Irrigated Tri-Spade Twist Drill 2.75mm x 20mm	ITD2720	\$ 90.00
Internally Irrigated Tri-Spade Twist Drill 3.00mm x 10mm	ITD310	\$ 90.00
Internally Irrigated Tri-Spade Twist Drill 3.00mm x 15mm	ITD315	\$ 90.00
Internally Irrigated Tri-Spade Twist Drill 3.00mm x 20mm	ITD320	\$ 90.00
Internally Irrigated Tri-Spade Twist Drill 3.15mm x 10mm	ITD3110	\$ 90.00
Internally Irrigated Tri-Spade Twist Drill 3.15mm x 15mm	ITD3115	\$ 90.00
Internally Irrigated Tri-Spade Twist Drill 3.15mm x 20mm	ITD3120	\$ 90.00
Internally Irrigated Tri-Spade Twist Drill 3.25mm x 10mm	ITD3210	\$ 90.00
Internally Irrigated Tri-Spade Twist Drill 3.25mm x 15mm	ITD3215	\$ 90.00
Internally Irrigated Tri-Spade Twist Drill 3.25mm x 20mm	ITD3220	\$ 90.00
Internally Irrigated Tri-Spade Twist Drill 4.25mm x 8.5mm	ITD428	\$ 118.50
Internally Irrigated Tri-Spade Twist Drill 4.25mm x 13mm	ITD423	\$ 118.50
Internally Irrigated Tri-Spade Twist Drill 4.25mm x 18mm	ITD4218	\$ 118.50
Internally Irrigated Tri-Spade Twist Drill 5.25mm x 8.5mm	ITD528	\$ 118.50
Internally Irrigated Tri-Spade Twist Drill 5.25mm x 13mm	ITD523	\$ 118.50
Internally Irrigated Tri-Spade Twist Drill 5.25mm x 18mm	ITD5218	\$ 118.50
Twist Drill 2.0mm x 10mm	TD210	\$ 90.00
Twist Drill 2.0mm x 15mm	TD215	\$ 90.00
Twist Drill 2.0mm x 20mm	TD220	\$ 90.00
Twist Drill 3.0mm x 10mm	TD310	\$ 90.00
Twist Drill 3.0mm x 15mm	TD315	\$ 90.00
Twist Drill 3.0mm x 20mm	TD320	\$ 90.00
Twist Drill 3.15mm x 10mm	TD3110	\$ 90.00
Twist Drill 3.15mm x 15mm	TD3115	\$ 90.00
Twist Drill 3.15mm x 20mm	TD3120	\$ 90.00
Twist Drill 3.25mm x 10mm	TD3210	\$ 90.00
Twist Drill 3.25mm x 15mm	TD3215	\$ 90.00
Twist Drill 3.25mm x 20mm	TD3220	\$ 90.00
Tri-Spade Drill 3.0mm x 10mm	DR310	\$ 90.00
Tri-Spade Drill 3.0mm x 15mm	DR315	\$ 90.00
Tri-Spade Drill 3.0mm x 20mm	DR320	\$ 90.00
Tri-Spade Drill 4.25 x 8.5mm	DR428	\$ 122.00
Tri-Spade Drill 4.25 x 13mm	DR423	\$ 122.00
Tri-Spade Drill 4.25 x 18mm	DR4218	\$ 122.00
Tri-Spade Drill 5.25 x 8.5mm	DR528	\$ 122.00
Tri-Spade Drill 5.25x13mm	DR523	\$ 122.00
Tri-Spade Drill 5.25 x 18mm	DR5218	\$ 122.00
Tri-Flute Cylinder Bur 3.3mm x 13mm	TCB33	\$ 105.00
Tri-Flute Cylinder Bur 3.3mm x 18mm	TCB38	\$ 105.00
Tri-Flute Cylinder Bur 4.0mm x 13mm	TCB43	\$ 105.00
Tri-Flute Cylinder Bur 4.0mm x 18mm	TCB48	\$ 105.00

## SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Multiple Patient Use Drills</b>		
Tri-Flute Cylinder Bur 4.25mm x 13mm	TCB423	\$ 105.00
Tri-Flute Cylinder Bur 4.25mm x 18mm	TCB428	\$ 105.00
Tri-Flute Cylinder Bur 5.0 x 8.5mm	TCB58	\$ 122.00
Tri-Flute Cylinder Bur 5.0mm x 13mm	TCB53	\$ 122.00
Tri-Flute Cylinder Bur 6.0mm x 8.5mm	TCB68	\$ 122.00
Tri-Flute Cylinder Bur 6.0mm x 13mm	TCB63	\$ 122.00
Countersink Drill for Miniplant/Standard Threaded and Cylinder Implants	CD100	\$ 90.00
Pilot Countersink Drill for Wide Diameter Threaded Implants - 5.0mm	CD500	\$ 122.00
Pilot Countersink Drill for Wide Diameter Threaded Implants - 6.0mm	CD600	\$ 122.00
Pilot Drill 2mm	PD100	\$ 90.00
Pilot Drill for Wide Diameter Cylinder Implants - 5.0mm	PD500	\$ 118.50
Pilot Drill for Wide Diameter Cylinder Implants - 6.0mm	PD600	\$ 118.50
MicroMiniplant/Miniplant Bone Tap - 18mm	MTAP1	\$ 90.00
MicroMiniplant/Miniplant Bone Tap (27mm L) -18mm	MTAP2	\$ 90.00
Standard Diameter Bone Tap - 10mm	TAP10	\$ 90.00
Standard Diameter Bone Tap - 13mm	TAP13	\$ 90.00
Standard Diameter Bone Tap - 20mm	TAP20	\$ 90.00
Wide Diameter Bone Tap - 5.0mm x 8.5mm	TAP58S	\$ 118.50
Wide Diameter Bone Tap - 5.0mm x 13mm	TAP53S	\$ 118.50
Wide Diameter Bone Tap - 5.0mm x 18mm	TAP518S	\$ 118.50
Wide Diameter Bone Tap - 6.0mm x 8.5mm	TAP68S	\$ 118.50
Wide Diameter Bone Tap - 6.0mm x 13mm	TAP63S	\$ 118.50
Wide Diameter Bone Tap - 6.0mm x 18mm	TAP618S	\$ 118.50
<b>Single Patient Use Drills</b>		
Round Drill	DR100	\$ 14.25
Twist Drill 2.0mm x 10mm	DT210	\$ 14.25
Twist Drill 2.0mm x 15mm	DT215	\$ 14.25
Twist Drill 2.0mm x 20mm	DT220	\$ 17.50
Twist Drill 2.75mm x 10mm	DT2710	\$ 14.25
Twist Drill 2.75mm x 15mm	DT2715	\$ 14.25
Twist Drill 2.75mm x 20mm	DT2720	\$ 17.50
Twist Drill 3.0mm x 10mm	DT310	\$ 14.25
Twist Drill 3.0mm x 15mm	DT315	\$ 14.25
Twist Drill 3.0mm x 20mm	DT320	\$ 17.50
Twist Drill 3.15mm x 10mm	DT3110	\$ 14.25
Twist Drill 3.15mm x 15mm	DT3115	\$ 14.25
Twist Drill 3.15mm x 20mm	DT3120	\$ 17.50
Twist Drill 3.25mm x 10mm	DT3210	\$ 14.25
Twist Drill 3.25mm x 15mm	DT3215	\$ 14.25
Twist Drill 3.25mm x 20mm	DT3220	\$ 17.50
Twist Drill 4.25mm x 8.5mm	DT428	\$ 14.25
Twist Drill 4.25mm x 13mm	DT423	\$ 14.25
Twist Drill 4.25mm x 18mm	DT4218	\$ 17.50
Twist Drill 5.25mm x 8.5mm	DT528	\$ 14.25
Twist Drill 5.25mm x 13mm	DT523	\$ 14.25
Twist Drill 5.25mm x 18mm	DT5218	\$ 17.50
Countersink Drill	DC100	\$ 20.75
Pilot Countersink Drill for Wide Diameter Threaded Implants - 5.0mm	DC500	\$ 20.75
Pilot Countersink Drill for Wide Diameter Threaded Implants - 6.0mm	DC600	\$ 20.75
Pilot Drill 2mm	DP100	\$ 14.25
3-Pack Single Patient Use Drill Kit for Implants - 10mm	DDK210	\$ 19.75

## SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Single Patient Use Drills</b>		
3-Pack Single Patient Use Drill Kit for Implants - 15mm	DDK215	\$ 19.75
3-Pack Single Patient Use Drill Kit for Implants - 20mm	DDK220	\$ 24.75
5-Pack Single Patient Use Drill Kit for Miniplants and Standard Diameter Implants - Twist Drill 2.75mm x 10mm	DDK2710	\$ 52.50
5-Pack Single Patient Use Drill Kit for Miniplants and Standard Diameter Implants - Twist Drill 2.75mm x 15mm	DDK2715	\$ 52.50
5-Pack Single Patient Use Drill Kit for Miniplants and Standard Diameter Implants - Twist Drill 2.75mm x 20mm	DDK2720	\$ 55.00
5-Pack Single Patient Use Drill Kit for Miniplants and Standard Diameter Implants - Twist Drill 3.0mm x 10mm	DDK310	\$ 52.50
5-Pack Single Patient Use Drill Kit for Miniplants and Standard Diameter Implants - Twist Drill 3.0mm x 15mm	DDK315	\$ 52.50
5-Pack Single Patient Use Drill Kit for Miniplants and Standard Diameter Implants - Twist Drill 3.0mm x 20mm	DDK320	\$ 55.00
Ratchet Extension 6mm	RE100	\$ 70.00
Ratchet Extension 15mm	RE200	\$ 80.00
Open End Wrench	CW100	\$ 90.00
Ratchet Wrench	WR100	\$ 175.00
Handpiece Connector	MDR10	\$ 98.00
Implant Depth Probe	DP020	\$ 101.00
Cylinder Implant Depth Gauge 3.3mm	IDG30	\$ 37.00
Cylinder Implant Depth Gauge 4.0mm	IDG40	\$ 48.00
Cylinder Implant Depth Gauge 5.0mm	IDG50	\$ 48.00
Cylinder Implant Depth Gauge 6.0mm	IDG60	\$ 48.00
Wide Implant Depth Probe	WDP02	\$ 122.00
Gelb Radiographic Depth Gauge Kit	XDG00	\$ 90.00
Direction Indicator 10mm	DI100	\$ 16.00
Direction Indicator 15mm	DI200	\$ 18.00
Implant Seating Instrument - Anterior	ISI10	\$ 54.00
Implant Seating Instrument - Posterior	ISI15	\$ 54.00
Mallet	MALL1	\$ 48.00
Miniplant/Standard Cover Screw Inserters	CSI10	\$ 90.00
Cover Screw Inserters - 5.0mm	CSI50	\$ 90.00
Cover Screw Inserters - 6.0mm	CSI60	\$ 90.00
Titanium Forceps	TF002	\$ 122.00
Pre-Angled Surgical Guide Kit	PMKIT	\$ 294.00
Surgical Index Coping Assembly	IC100	\$ 62.00
Tissue Measuring Post	TMP80	\$ 87.50
Titanium Suction Tip	TST01	\$ 129.00
Titanium Elevator	TE003	\$ 129.00
Tissue Punch - Standard	TP001	\$ 27.00
Tissue Punch - 5.0mm	TP005	\$ 27.00
Tissue Punch - 6.0mm	TP006	\$ 27.00
Drill Extension	DE016	\$ 37.00
Titanium Curette 7/8 Gracey Configuration	TC078	\$ 38.50
Titanium Curette 11/12 Gracey Configuration	TC012	\$ 38.50
Titanium Curette 13/14 Gracey Configuration	TC034	\$ 38.50
Titanium Curette Kit	TCKIT	\$ 77.50



## SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Bone Profilers</b>		
MicroMiniplant Bone Profiler - 3.4mm dia/4mm Flare	BP340	\$ 90.00
Miniplant/Standard Diameter Bone Profiler Kit	BPKIT	\$ 240.00
Miniplant/Standard Bone Profiler - 4.1mm dia/5mm Flare	BP450	\$ 90.00
Miniplant/Standard Bone Profiler - 4.1mm dia/6mm Flare	BP460	\$ 90.00
Miniplant/Standard Bone Profiler - 4.1mm dia/7.5mm Flare	BP475	\$ 90.00
Organizer Box for Standard Diameter Bone Profiler Kit	BPKITB	\$ 37.00
Wide Diameter Bone Profiler Kit - 5.0/6.0mm	BPAKT	\$ 395.00
Wide Diameter Bone Profiler - 5mm dia/5mm Flare	BP550	\$ 90.00
Wide Diameter Bone Profiler - 5mm dia/6mm Flare	BP560	\$ 90.00
Wide Diameter Bone Profiler - 5mm dia/7.5mm Flare	BP575	\$ 90.00
Wide Diameter Bone Profiler - 6mm dia/5mm Flare	BP660	\$ 90.00
Wide Diameter Bone Profiler - 6mm dia/7.5mm Flare	BP675	\$ 90.00
Organizer Box for Wide Diameter Bone Profiler Kit	BPAKTB	\$ 37.00
GORE-TEX Submerged Configuration Small	GT4	\$ 147.00
GORE-TEX Submerged Configuration Medium	GT6	\$ 171.00
GORE-TEX Submerged Configuration Large	GT9	\$ 188.00
GORE-TEX Submerged Configuration Large	GT10	\$ 213.00
GORE-TEX Transgingival Configuration Anterior Wraparound	GTA1	\$ 107.00
GORE-TEX Transgingival Configuration Posterior Wraparound	GTA2	\$ 107.00
GORE-TEX Transgingival Configuration X-Large Wraparound	GTA4	\$ 121.00
GORE-TEX Transgingival Configuration Anterior Interproximal	GTI1	\$ 124.00
GORE-TEX Transgingival Configuration Posterior Interproximal	GTI2	\$ 136.00
GORE-TEX Transgingival Configuration Single Tooth Narrow	GTN1	\$ 77.00
GORE-TEX Transgingival Configuration Single Tooth X-large	GTN2	\$ 88.00
GORE-TEX Transgingival Configuration Single Tooth Wide	GTW1	\$ 95.00
GORE-TEX Transgingival Configuration Single Tooth Wide X-Large	GTW2	\$ 108.00
GORE-TEX Titanium Reinforced Submerged Configuration Small	TR4Y	\$ 177.00
GORE-TEX Titanium Reinforced Submerged Configuration Medium	TR6T	\$ 204.00
GORE-TEX Titanium Reinforced Submerged Configuration Medium	TR6Y	\$ 204.00
GORE-TEX Titanium Reinforced Submerged Configuration Large	TR9W	\$ 227.00
GORE-TEX Titanium Reinforced Transgingival Configuration Wraparound X-Large	TRA4	\$ 147.00
GORE-TEX Titanium Reinforced Transgingival Configuration Anterior Interproximal	TRI1	\$ 147.00
GORE-TEX Titanium Reinforced Transgingival Configuration Posterior Interproximal	TRI2	\$ 165.00
GORE-TEX Titanium Reinforced Transgingival Configuration Single Tooth Narrow X-Large	TRN2	\$ 109.00
GORE-TEX Titanium Reinforced Transgingival Configuration Single Tooth Wide X-Large	TRW2	\$ 131.00
GORE RESOLUT Submerged Configuration Small	R4	\$ 142.00
GORE RESOLUT Submerged Configuration Medium	R6	\$ 163.00
GORE RESOLUT Transgingival Configuration Posterior Wraparound	RA2	\$ 110.00
GORE RESOLUT Transgingival Configuration Anterior Interproximal	RI1	\$ 128.00
GORE RESOLUT Transgingival Configuration Posterior Interproximal	RI2	\$ 139.00
GORE RESOLUT Transgingival Configuration Single Tooth Wide	RW1	\$ 97.00
GORE RESOLUT XT Single Tooth Wide	XTW1	\$ 99.00

## SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>GORE RESOLUT XT Suture, 5-0 (Gore-Tex)</b>		
GORE RESOLUT XT Posterior Wraparound	XTA2	\$ 111.00
GORE RESOLUT XT X-Large Single Tooth Narrow	XTN2	\$ 112.00
GORE RESOLUT XT Anterior Interproximal	XT11	\$ 125.00
GORE RESOLUT XT Posterior Interproximal	XT12	\$ 138.00
GORE RESOLUT XT Premolar/Molar Interproximal	XT13	\$ 138.00
GORE RESOLUT XT X-Large Wraparound	XTA4	\$ 179.00
GORE RESOLUT XT Submerged Configuration Small	XT4	\$ 139.00
GORE RESOLUT XT Submerged Configuration Medium	XT6	\$ 159.00
GORE-TEX Suture, CV-4 with a 18mm Reverse-Cutting Needle	P4K13A	\$ 118.00
GORE-TEX Suture, CV-5 with a 16mm Reverse-Cutting Needle	P5K17A	\$ 118.00
GORE-TEX Suture, CV-5 with a 18mm Reverse-Cutting Needle	P5K23A	\$ 118.00
GORE-TEX Suture, CV-6 with a 13mm Piercing Point Needle	P6K13A	\$ 126.00
GORE-TEX Suture, CV-6 with a 13mm Reverse-Cutting Needle	P6K23A	\$ 121.00
GORE-TEX Suture, CV-6 with a 16mm Reverse-Cutting Needle	P6K25A	\$ 121.00
GORE-TEX Suture, CV-6 PH-13 1/2, EA	P6M14A	\$ 121.00
GORE RESOLUT Suture, 5-0 with a 13mm Reverse-Cutting Needle	R5PR245A	\$ 100.00
GORE-RESOLUT Suture, 5-0 with a 16mm Reverse-Cutting Needle	R5PRE345A	\$ 100.00
GORE RESOLUT Suture, 6-0 with a 13mm Reverse-Cutting Needle	R6PRE245A	\$ 100.00

<b>OsseoFix Guided Bone Regeneration System</b>		
OsseoFix Select - Membrane Stabilizing System	OFKIT	\$ 2,270.50
OsseoFix System Autoclave Case	OFSKT	\$ 790.00
OsseoFix System Organizer Tray	OFKAC	\$ 155.00
OsseoFix Select System Tray	OFKT1	\$ 285.00
OsseoFix Drill - Lag 9mm	OFKT2	\$ 195.50
OsseoFix Drill 3mm	OFLD9	\$ 50.00
OsseoFix Drill 3mm	OFDR3	\$ 52.00
OsseoFix Drill 4mm	OFDR4	\$ 52.00
OsseoFix Drill 8mm	OFDR8	\$ 52.00
OsseoFix Microplate Bender	OFKB1	\$ 129.00
OsseoFix Microplate Cutter	OFKC1	\$ 129.00
OsseoFix Membrane Stabilizer, Single Point	OFMS0	\$ 40.00
OsseoFix Membrane Stabilizer, Double Point	OFMS1	\$ 129.00
OsseoFix Microplate-Single Row	OFF01	\$ 47.00
OsseoFix Microplate-Three Row	OFF03	\$ 88.00
OsseoFix Squaredrive Posterior Screwdriver	OFPDQ1	\$ 98.00
OsseoFix Squaredrive Long Screwdriver	OFLDQ1	\$ 155.00
OsseoFix Squaredrive Right Angle	OFRAQ1	\$ 78.00
OsseoFix 1mm Round Drill	OFRD1	\$ 24.00
OsseoFix Square Drive Screw 5pk 1mmx3mmL	OFSQ13	\$ 103.00
OsseoFix Square Drive Screw 5pk 1mmx4mmL	OFSQ14	\$ 103.00
OsseoFix Square Drive Screw 5pk 1mmx6mmL	OFSQ16	\$ 103.00
OsseoFix Square Drive Screw 5pk 1mmx8mmL	OFSQ18	\$ 103.00
OsseoFix Square Drive Screw 5pk 1mmx10mmL	OFSQ110	\$ 103.00
OsseoFix Square Drive Screw 5pk 1mmx12mmL	OFSQ112	\$ 103.00
OsseoFix Square Drive Screw 5pk 1.2mmx3mmL	OFSQW3	\$ 103.00
OsseoFix Square Drive Screw 5pk 1.2mmx4mmL	OFSQW4	\$ 103.00
OsseoFix Square Drive Screw 5pk 1.2mmx6mmL	OFSQW6	\$ 103.00
OsseoFix Square Drive Screw 5pk 1.2mmx8mmL	OFSQW8	\$ 103.00
OsseoFix Square Drive Screw 5pk 1.2mmx10mmL	OFSQW10	\$ 103.00
OsseoFix Square Drive Screw 5pk 1.2mmx12mmL	OFSQW12	\$ 103.00

## SURGICAL PRODUCTS LIST BY DESCRIPTION

	Catalog Number	Price Each
Trephine Bur 2mm dia	TRE02	\$ 97.00
Trephine Bur 4mm dia	TRE04	\$ 97.00
Trephine Bur 5mm dia	TRE05	\$ 97.00
Trephine Bur 6mm dia	TRE06	\$ 97.00
Trephine Bur 8mm dia	TRE08	\$ 97.00
Sinus Elevation Kit	SEKT1	\$ 458.00
Single End Membrane Elevator	ME100	\$ 46.50
Double End Membrane Elevator - Medium	ME200	\$ 62.00
Double End Membrane Elevator - Large	ME300	\$ 62.00
Titanium Coated Bone Carrier	TIBC1	\$ 139.00
Summers Osteotome Kit 1-4	OST00	\$ 398.00
Summers Osteotome Kit, 1-5	OST10	\$ 450.00
Summers Osteotome Kit, 1-FS	OST20	\$ 498.00
Summers Osteotome - #1	OST01	\$ 90.00
Summers Osteotome - #2	OST02	\$ 90.00
Summers Osteotome - #3	OST03	\$ 90.00
Summers Osteotome - #4	OST04	\$ 90.00
Osteotome for 5mm Wide Implants	OST05	\$ 90.00
Osteotome for Future Site	OSTFS	\$ 90.00

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## Restorative Products

### **Products Listed By Description**



## RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
MicroMiniplant Two-Piece Abutment Post 1mm	MAP31	\$ 99.00
MicroMiniplant Two-Piece Abutment Post 3mm	MAP33	\$ 99.00
MicroMiniplant UCLA Hexed Abutment w/ Square Screw	MUCG1	\$ 127.00
MicroMiniplant EP/Conical Abutment 1mm	MCA31	\$ 115.00
MicroMiniplant EP/Conical Abutment 2mm	MCA32	\$ 115.00
MicroMiniplant EP/Conical Abutment 3mm	MCA33	\$ 115.00
MicroMiniplant EP/Conical Abutment 4mm	MCA34	\$ 115.00
Two-Piece Abutment Post 4-5mm x 2mm	APP452	\$ 115.00
Two-Piece Abutment Post 4-5mm x 4mm	APP454	\$ 115.00
Two-Piece Abutment Post 4-6mm x 2mm	APP462	\$ 115.00
Two-Piece Abutment Post 4-6mm x 4mm	APP464	\$ 115.00
Two-Piece Abutment Post 4-7.5mm x 2mm	APP472	\$ 115.00
Two-Piece Abutment Post 4-7.5mm x 4mm	APP474	\$ 115.00
Gold Post 1mm	GPA01	\$ 120.00
Gold Post 2mm	GPA02	\$ 120.00
Gold Post 3mm	GPA03	\$ 120.00
Gold Post 4mm	GPA04	\$ 120.00
STA Abutment 1mm	STA451	\$ 165.00
STA Abutment 2mm	STA452	\$ 165.00
STA Abutment 3mm	STA453	\$ 165.00
STA Abutment 4mm	STA454	\$ 165.00
STA Abutment 5mm	STA455	\$ 165.00
Gold UCLA Hexed Abutment w/ Hexed Ti Screw	GUCH1	\$ 120.00
Gold UCLA Hexed Abutment w/ Hexed Gold Screw	GUCG1	\$ 127.00
ZR UCLA Hexed Abutment w/ Hexed Ti Screw	SGUCH1	\$ 124.00
ZR UCLA Hexed Abutment w/ Hexed Gold Screw	SGUCG1	\$ 134.00
ZR UCLA Hexed Abutment w/ Square Screw	SGUCS1	\$ 134.00
Gold UCLA Non-Hex w/ Hexed Ti Screw	GUCH2	\$ 120.00
Gold UCLA Non-Hex w/ Hexed Gold Screw	GUCG2	\$ 127.00
Plastic UCLA Hexed Abutment w/ Gold Hex Screw	UNAH1	\$ 56.00
Plastic UCLA Hexed Abutment w/ Gold Square Screw	UNAS1	\$ 56.00
Plastic UCLA Hexed Abutment w/ Gold Hex Screw-25 pack	UNAH125	\$1,050.00
Plastic UCLA Non-Hex Abutment w/ Gold Hex Screw	UNAH2	\$ 56.00
Plastic UCLA Non-Hex Abutment w/ Gold Square Screw	UNAS2	\$ 56.00
Plastic UCLA Non-Hex Abutment w/ Gold Hex Screw-25 pack	UNAH225	\$1,050.00
EP/Conical Abutment 1mm	CA001	\$ 110.00
EP/Conical Abutment 2mm	CA002	\$ 110.00
EP/Conical Abutment 3mm	CA003	\$ 110.00
EP/Conical Abutment 4mm	CA004	\$ 110.00
EP/Conical Abutment 5.5mm	CA055	\$ 110.00
EP/Conical ZR Abutment 1mm	SCA001	\$ 115.00
EP/Conical ZR Abutment 2mm	SCA002	\$ 115.00
EP/Conical ZR Abutment 3mm	SCA003	\$ 115.00
EP/Conical ZR Abutment 4mm	SCA004	\$ 115.00
EP/Conical ZR Abutment 5.5mm	SCA055	\$ 115.00
Standard Abutment 2mm	AB200	\$ 105.00
Standard Abutment 3mm	AB300	\$ 105.00
Standard Abutment 4mm	AB400	\$ 105.00
Standard Abutment 5.5mm	AB550	\$ 105.00
Standard Abutment 7mm	AB700	\$ 105.00

## RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Standard Abutments (Continued)</b>		
Pre-Angled Abutment 15 degree x 2mm	PH152	\$ 158.00
Pre-Angled Abutment 15 degree x 4mm	PH154	\$ 158.00
Pre-Angled Abutment 15 degree x 6mm	PH156	\$ 158.00
Pre-Angled Abutment 25 degree x 2mm	PH252	\$ 158.00
Pre-Angled Abutment 25 degree x 4mm	PH254	\$ 158.00
Pre-Angled Abutment 25 degree x 6mm	PH256	\$ 158.00
O-Ring Abutment 2mm	OSO20	\$ 110.00
O-Ring Abutment 4mm	OSO40	\$ 110.00
O-Ring Abutment 6mm	OSO60	\$ 110.00
<b>5.0mm Wide Diameter Abutments</b>		
Two-Piece Abutment Post - 5mm x 2mm	WPP552	\$ 123.00
Two-Piece Abutment Post - 5mm x 4mm	WPP554	\$ 123.00
Two-Piece Abutment Post 5-6mm x 2mm	WPP562	\$ 123.00
Two-Piece Abutment Post 5-6mm x 4mm	WPP564	\$ 123.00
Two-Piece Abutment Post 5-7.5mm x 2mm	WPP572	\$ 123.00
Two-Piece Abutment Post 5-7.5mm x 4mm	WPP574	\$ 123.00
STA Abutment 5mm x1mm	STA551	\$ 173.00
STA Abutment 5mm x2mm	STA552	\$ 173.00
STA Abutment 5mm x3mm	STA553	\$ 173.00
Gold UCLA Hexed 5mm Abutment w/ Gold Hex Screw	WGA51	\$ 132.00
ZR UCLA Hexed 5mm Abutment w/ Gold Square Screw	SWGA51	\$ 134.00
Gold UCLA Non-Hex 5mm Abutment w/ Gold Hex Screw	WGA52	\$ 132.00
EP/Conical 5mm Abutment 1mm	WCA51	\$ 122.00
EP/Conical 5mm Abutment 2mm	WCA52	\$ 122.00
EP/Conical 5mm Abutment 3mm	WCA53	\$ 122.00
EP/Conical 5mm Abutment 4mm	WCA54	\$ 122.00
EP/Conical 5mm Abutment 5.5mm	WCA55	\$ 122.00
EP/Conical 5mm ZR Abutment 1mm	SWCA51	\$ 122.00
EP/Conical 5mm ZR Abutment 2mm	SWCA52	\$ 122.00
EP/Conical 5mm ZR Abutment 3mm	SWCA53	\$ 122.00
EP/Conical 5mm ZR Abutment 4mm	SWCA54	\$ 122.00
EP/Conical 5mm ZR Abutment 5.5mm	SWCA55	\$ 122.00
<b>6.0mm Wide Diameter Abutments</b>		
Two-Piece Abutment Post 6mm x 2mm	WPP662	\$ 123.00
Two-Piece Abutment Post 6mm x 4mm	WPP664	\$ 123.00
Two-Piece Abutment Post 6-7.5mm x 2mm	WPP672	\$ 123.00
Two-Piece Abutment Post 6-7.5mm x 4mm	WPP674	\$ 123.00
STA Abutment - 6mm x1mm	STA661	\$ 173.00
STA Abutment - 6mm x2mm	STA662	\$ 173.00
STA Abutment - 6mm x3mm	STA663	\$ 173.00
Gold UCLA Hexed 6mm Abutment w/ Gold Hex Screw	WGA61	\$ 132.00
ZR UCLA Hexed 6mm Abutment w/ Gold Square Screw	SWGA61	\$ 134.00
Gold UCLA Non-Hex 6mm Abutment w/ Gold Hex Screw	WGA62	\$ 132.00
EP/Conical 6mm Abutment 1mm	WCA61	\$ 122.00
EP/Conical 6mm Abutment 2mm	WCA62	\$ 122.00
EP/Conical 6mm Abutment 3mm	WCA63	\$ 122.00
EP/Conical 6mm Abutment 4mm	WCA64	\$ 122.00
EP/Conical 6mm Abutment 5.5mm	WCA65	\$ 122.00
EP/Conical 6mm ZR Abutment 1mm	SWCA61	\$ 122.00
EP/Conical 6mm ZR Abutment 2mm	SWCA62	\$ 122.00
EP/Conical 6mm ZR Abutment 3mm	SWCA63	\$ 122.00

## RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>6.0mm Wide Diameter Abutments (Continued)</b>		
EP/Conical 6mm ZR Abutment 4mm	SWCA64	\$ 122.00
EP/Conical 6mm ZR Abutment 5.5mm	SWCA65	\$ 122.00
TG Post 4mm	TGP04	\$ 90.00
TG Post 5.5mm	TGP55	\$ 90.00
TG Post 7mm	TGP07	\$ 90.00
TG Hex Abutment	TGA01	\$ 95.00
<b>Healing Caps</b>		
MicroMiniplant EP/Conical Healing Cap	MHC33	\$ 16.50
STA Abutment Healing Cap 5mm	STTH5	\$ 16.50
STA Abutment Healing Cap 5-6mm	STTH56	\$ 16.50
STA Abutment Healing Cap 5-7.5mm	STTH57	\$ 16.50
EP/Conical Healing Cap 5mm	CS250	\$ 15.50
EP/Conical Healing Cap 5-6mm	CS260	\$ 15.50
EP/Conical Healing Cap 5-7.5mm	CS270	\$ 15.50
Standard Abutment Healing Cap	TS250	\$ 15.00
6mm EP/Conical Healing Cap 6mm	WCS66	\$ 17.50
6mm EP/Conical Healing Cap 6-7.5mm	WCS67	\$ 17.50
6mm STA Abutment Healing Cap 6mm	STTH6	\$ 17.50
6mm STA Abutment Healing Cap 6-7.5mm	STTH67	\$ 17.50
TG/Gold Post Snap Cap 4mm	TGHC04	\$ 40.00
TG/Gold Post Snap Cap 5.5mm	TGHC05	\$ 40.00
TG/Gold Post Snap Cap 7mm	TGHC07	\$ 40.00
TG Hex Abutment Healing Cap	TGAHC	\$ 15.00
GingiSCULPT Large Incisor Impression Kit-Standard	SRSI44	\$ 65.00
GingiSCULPT Small Incisor Impression Kit-Standard	SRLI44	\$ 65.00
GingiSCULPT Bicuspid Impression Kit - Standard	SRBC44	\$ 65.00
GingiSCULPT Molar Impression Kit - Standard	SRMO44	\$ 65.00
GingiSCULPT Large Incisor Impression Kit 5mm	SRLI54	\$ 66.00
GingiSCULPT Molar Impression Kit 5mm	SRMO54	\$ 66.00
GingiSCULPT Molar Impression Kit 6mm	SRM064	\$ 66.00
Universal Impression Coping Pin	UIPSC	\$ 11.00
Universal Impression Coping Post	SIP00	\$ 11.00
Hex Alignment Tool	SHATO	\$ 56.50
MicroMiniplant Implant Pick-up Impressing Coping	MIC33	\$ 35.00
Implant Pick-up Impression Coping 5mm	IIC12	\$ 35.00
Implant Pick-up Impression Coping 5-6mm	IIC60	\$ 35.00
Implant Pick-up Impression Coping 5-7.5mm	IIC75	\$ 35.00
Implant Transfer Impression Coping 5mm	IIC45	\$ 35.00
Implant Transfer Impression Coping 5-6mm	IIC46	\$ 35.00
Implant Transfer Impression Coping 5-7.5mm	IIC47	\$ 35.00
5mm Implant Pick-up Impression Coping 5mm	WIP55	\$ 39.00
5mm Implant Pick-up Impression Coping 5-6mm	WIP56	\$ 39.00
5mm Implant Pick-up Impression Coping 5-7.5mm	WIP57	\$ 39.00
6mm Implant Pick-up Impression Coping 6mm	WIP66	\$ 39.00
6mm Implant Pick-up Impression Coping 6-7.5mm	WIP67	\$ 39.00
5mm Implant Transfer Impression Copings 5mm	WIT55	\$ 39.00

## RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
5mm Implant Transfer Impression Copings 5-6mm	WIT56	\$ 39.00
5mm Implant Transfer Impression Copings 5-7.5mm	WIT57	\$ 39.00
6mm Implant Transfer Impression Copings 6mm	WIT66	\$ 39.00
6mm Implant Transfer Impression Copings 6-7.5mm	WIT67	\$ 39.00
MicroMiniplant EP/Conical Impression Coping	MEC33	\$ 33.00
STA Abutment Pick-up Impression Coping 5mm	SPIC5	\$ 18.00
STA Abutment Pick-up Impression Coping 5-6mm	SPIC56	\$ 18.00
STA Abutment Pick-up Impression Coping 5-7.5mm	SPIC57	\$ 18.00
STA Abutment Transfer Impression Coping 5mm	STIC5	\$ 18.00
STA Abutment Transfer Impression Coping 5-6mm	STIC56	\$ 18.00
STA Abutment Transfer Impression Coping 5-7.5mm	STIC57	\$ 18.00
EP/Conical Pick-up Impression Coping 5mm	CSQI7	\$ 18.00
EP/Conical Pick-up Impression Coping 5-6mm	CSQ06	\$ 18.00
EP/Conical Pick-up Impression Coping 5-7.5mm	CSQ07	\$ 18.00
EP/Conical Pick-up Impression Coping Non-Rotating 5mm	CNRIC	\$ 28.00
EP/Conical Pick-up Impression Coping Non-Rotating 5-6mm	CSQN6	\$ 28.00
EP/Conical Pick-up Impression Coping Non-Rotating 5-7.5mm	CSQN7	\$ 28.00
EP/Conical Transfer Impression Coping 5mm	CIC55	\$ 16.00
EP/Conical Transfer Impression Coping 5-6mm	CIC56	\$ 16.00
EP/Conical Transfer Impression Coping 5-7.5mm	CIC57	\$ 16.00
Standard Abutment Pick-up Impression Coping	SQIC7	\$ 16.50
Standard Abutment Transfer Impression Coping	SIC70	\$ 15.00
6mm EP/Conical Pick-up Impression Coping Non-Rotating 6mm	WCP661	\$ 33.00
6mm EP/Conical Pick-up Impression Coping Non-Rotating 6-7.5mm	WCP671	\$ 33.00
6mm EP/Conical Pick-up Impression Coping 6mm	WCP662	\$ 33.00
6mm EP/Conical Pick-up Impression Coping 6-7.5mm	WCP672	\$ 33.00
6mm EP/Conical Transfer Impression Coping Non-Rotating 6mm	WCT661	\$ 33.00
6mm EP/Conical Transfer Impression Coping Non-Rotating 6-7.5mm	WCT671	\$ 33.00
6mm EP/Conical Transfer Impression Coping 6mm	WCT662	\$ 33.00
6mm EP/Conical Transfer Impression Coping 6-7.5mm	WCT672	\$ 33.00
STA Abutment Pick-up Impression Coping 6mm	SPIC6	\$ 19.00
STA Abutment Pick-up Impression Coping 6-7.5mm	SPIC67	\$ 19.00
STA Abutment Transfer Impression Coping 6mm	STIC6	\$ 19.00
STA Abutment Transfer Impression Coping 6-7.5mm	STIC67	\$ 19.00
TG Post/Gold Post Impression Coping	TGICH0	\$ 20.00
MicroMiniplant Implant Lab Analog	MMILA	\$ 16.00
MicroMiniplant EP/Conical Lab Analog	MMCLA	\$ 16.00
Implant Lab Analog	ILA20	\$ 16.50
STA Abutment Analog	STLA5	\$ 17.00
EP/Conical Lab Analog	CLA20	\$ 10.00
Standard Abutment Analog	SLA20	\$ 10.00
5mm Implant Lab Analog	ILAW5	\$ 23.00
6mm Implant Lab Analog	ILAW6	\$ 23.00
6mm EP/Conical Lab Analog	WCLA6	\$ 25.00
6mm STA Abutment Analog	STLA6	\$ 17.00
TG Post/Gold Post Lab Analog	TGICA	\$ 15.00



## RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
MicroMiniplant Implant Temporary Cylinder Hexed	MMTC1	\$ 45.00
MicroMiniplant EP/Conical Temporary Cylinder Hexed	MCTC1	\$ 23.00
MicroMiniplant EP/Conical Temporary Cylinder Non-Hexed	MCTC2	\$ 23.00
Implant Temporary Cylinder Hexed	ITCH0	\$ 45.00
Implant Temporary Cylinder Non-Hexed	ITCH1	\$ 45.00
Implant Temporary Retention Cylinder - 2mm	THRC4	\$ 36.00
Implant Temporary Retention Cylinder - 4mm	THRC6	\$ 36.00
STA Temporary Cylinder 5mm	STTC5	\$ 15.00
EP/Conical Non-Rotating Temporary Cylinder	CNC30	\$ 23.00
EP/Conical Temporary Cylinder	CC300	\$ 23.00
Standard Abutment Temporary Cylinder	TC300	\$ 23.00
5mm Implant Temporary Cylinder Hexed	WTC51	\$ 50.00
5mm Implant Temporary Cylinder Non-Hexed	WTC52	\$ 50.00
6mm Implant Temporary Cylinder Hexed	WTC61	\$ 50.00
6mm Implant Temporary Cylinder Non-Hexed	WTC62	\$ 50.00
6mm EP/Conical Non-Rotating Temporary Cylinder	WCTC60	\$ 27.00
6mm EP/Conical Non-Rotating Temporary Cylinder 6-7.5mm	WCTC670	\$ 27.00
6mm EP/Conical Temporary Cylinder	WCTC61	\$ 22.00
6mm EP/Conical Temporary Cylinder 6-7.5mm	WCTC671	\$ 22.00
6mm STA Temporary Cylinder 6mm	STTC6	\$ 15.00
TG Temporary Cylinder	TGATC	\$ 20.00
MicroMiniplant EP/Conical Non-Rotating Gold Cylinder	MCAG1	\$ 75.00
MicroMiniplant EP/Conical Gold Cylinder	MCAG2	\$ 60.00
STA Abutment Gold Cylinder	STGC5	\$ 67.00
EP/Conical Non-Rotating Gold Cylinder	CNRG5	\$ 74.00
EP/Conical Gold Cylinder	CAGC5	\$ 58.00
Standard Abutment Gold Cylinder	SGC30	\$ 49.00
Standard Abutment Plastic Castable Cylinder	SGC34	\$ 15.00
Standard Abutment Chamfered Gold Cylinder	CGC30	\$ 52.00
6mm EP/Conical Non-Rotating Gold Cylinder 6mm	CNRG6	\$ 80.00
6mm EP/Conical Gold Cylinder 6mm	CAGC6	\$ 55.00
6mm STA Abutment Gold Cylinder	STGC6	\$ 67.00
TG Post/Gold Post Gold Non-Rotating Cylinder	TGANRC	\$ 67.50
TG Post/Gold Post Gold Cylinder	TGAGC	\$ 67.50
Abutment Gold Hex Screw 2mm	GSH20	\$ 19.00
Abutment Gold Hex Screw 3mm	GSH30	\$ 19.00
Implant Universal Hexed Titanium Screw	UNIHT	\$ 30.00
Implant Universal Hexed Gold Screw	UNIHG	\$ 45.00
Implant Universal Square Gold Screw	UNISG	\$ 45.00
Implant Universal Square Gold-Tite Screw	UNISGP	\$ 45.00
MicroMiniplant Implant Polishing Protector	PPMM1	\$ 12.00
MicroMiniplant EP/Conical Polishing Protector	PPMC1	\$ 12.00
Implant Polishing Protector	PPIA3	\$ 12.00
STA Abutment Polishing Protector	PPST5	\$ 12.00
EP/Conical Polishing Protector	PPCA3	\$ 12.00
Standard Abutment Polishing Protector	PPSA3	\$ 12.00

## RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Polishing Protectors</b>		
5mm Implant Polishing Protector	WPP50	\$ 12.00
6mm Implant Polishing Protector	WPP60	\$ 12.00
6mm STA Abutment Polishing Protector - 6mm	PPST6	\$ 12.00
<b>Waxing Screws</b>		
Abutment Waxing Screw/Guide Pin - 10mm	WSK10	\$ 7.50
Abutment Waxing Screw/Guide Pin - 15mm	WSK15	\$ 7.50
Implant Waxing Screw/Guide Pin - 15mm	WSK30	\$ 10.00
<b>Mechanical Drivers</b>		
Prosthetic Instrument Set	PSDKO	\$ 1850.00
Contra Angle Torque Driver Kit	CATD0	\$ 745.00
Contra Angle Torque Driver Body	CATDB	\$ 295.00
Contra Angle Torque Control 10Ncm	CATC1	\$ 155.00
Contra Angle Torque Control 20Ncm	CATC2	\$ 155.00
Contra Angle Torque Control 32Ncm	CATC3	\$ 155.00
Right Angle Driver Kit	RASDK	\$ 315.00
Right Angle Driver	RASD0	\$ 304.00
Right Angle Abutment Driver Tip	RASA3	\$ 38.00
Right Angle Small Hex Driver Tip - 24mm	RASH2	\$ 38.00
Right Angle Small Hex Driver Tip - 30mm	RASH7	\$ 38.00
Right Angle Large Hex Driver Tip - 24mm	RASH3	\$ 38.00
Right Angle Large Hex Driver Tip - 30mm	RASH8	\$ 38.00
Right Angle Square Driver Tip - 24mm	RASQ3	\$ 38.00
Right Angle Square Driver Tip - 30mm	RASQ8	\$ 38.00
Prosthetic System Delivery Tray	PSDT1	\$ 247.50
<b>Post Drivers</b>		
Posterior Abutment Driver - 17mm	PAD00	\$ 123.50
Standard Abutment Driver - 24mm	PAD24	\$ 123.50
O-Ring Abutment Driver	PAD01	\$ 55.50
Impression Coping Driver	ICD00	\$ 87.50
Posterior Small Hex Driver - 17mm	PHD00	\$ 87.50
Standard Small Hex Driver - 24mm	PHD01	\$ 87.50
Posterior Large Hex Driver - 17mm	PHD02	\$ 87.50
Standard Large Hex Driver - 24mm	PHD03	\$ 87.50
Posterior Square Driver - 17mm	PSQD0	\$ 87.50
Standard Square Driver - 24mm	PSQD1	\$ 87.50
TG/Gold Post Driver	TGPD1	\$ 95.00
<b>Post Holders &amp; Lapping Tools</b>		
Abutment Post Holder	LTAH7	\$ 31.50
Lapping Tool - Castable Plastic UCLA	LT150	\$ 23.00
Lapping Tool - Standard Abutment	LT034	\$ 23.50
Lapping Material	LM100	\$ 8.50
Reamer & Handle - Standard & Castable UCLA	RH600	\$ 26.50
Castable O-Ring System	OSOCA	\$ 34.00
<b>Prosthetic Angle Guide Kit</b>		
Prosthetic Angle Guide Kit	AG900	\$ 79.50
Tissue Measuring Post	TMP80	\$ 87.50

## RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Specialty Components</b>		
Screw Removing Tool	SRT10	\$ 295.00
Screw Removal Tool - Tap	SRT01	\$ 67.00
Screw Removal Tool - 1.04mm Drill	SRT02	\$ 51.50
Screw Removal Tool - 1.18mm Drill	SRT03	\$ 51.50
Screw Removal Tool - Extracting Drill	SRT04	\$ 46.50
Screw Removal Tool - Guide Handle	SRT05	\$ 95.00
First Stage Index Coping	IC100	\$ 62.00
Index Coping Drill Guide	IC106	\$ 18.50
Index Coping Drill	ID100	\$ 16.00
Video - Surgical Placement of 3i Implants	VIDS1	\$ 75.00
Video - Second Stage Surgery	VIDS2	\$ 75.00
Video - Immediate Implant Placement and Sinus Lift Procedure	VIDS5	\$ 75.00
"Dental Implants: Are They for Me?"	BKM01	\$ 29.00
"Surgical and Prosthetic Approach to Osseointegration with the 3i Implant System"	BKS03	\$ 101.00
Patient Flip Chart	FC100	\$ 46.35
3iQ for Macintosh	3IQCDM	\$ 149.00
3iQ for Windows	3IQCDW	\$ 149.00

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# Surgical Products

## **Products Listed By Code Number**

## SURGICAL PRODUCTS BY CODE NUMBER

Catalog Number	Description	Price Each
BP340	MicroMiniplant Bone Profiler - 3.4mm dia/4mm Flare	\$ 90.00
BP450	Miniplant/Standard Bone Profiler - 4.1mm dia/5mm Flare	\$ 90.00
BP460	Miniplant/Standard Bone Profiler - 4.1mm dia/6mm Flare	\$ 90.00
BP475	Miniplant/Standard Bone Profiler - 4.1mm dia/7.5mm Flare	\$ 90.00
BP550	Wide Diameter Bone Profiler - 5mm dia/5mm Flare	\$ 90.00
BP560	Wide Diameter Bone Profiler - 5mm dia/6mm Flare	\$ 90.00
BP575	Wide Diameter Bone Profiler - 5mm dia/7.5mm Flare	\$ 90.00
BP660	Wide Diameter Bone Profiler - 6mm dia/6mm Flare	\$ 90.00
BP675	Wide Diameter Bone Profiler - 6mm dia/7.5mm Flare	\$ 90.00
BPAKT	Wide Diameter Bone Profiler Kit - 5.0/6.0mm	\$ 395.00
BPAKTB	Organizer Box for Wide Diameter Bone Profiler Kit	\$ 37.00
BPKIT	Miniplant/Standard Diameter Bone Profiler Kit	\$ 240.00
BPKITB	Organizer Box for Standard Diameter Bone Profiler Kit	\$ 37.00
CD100	Countersink Drill for Miniplant/Standard Threaded and Cylinder Implants	\$ 90.00
CD500	Pilot Countersink Drill for Wide Diameter Threaded Implants - 5.0mm	\$ 122.00
CD600	Pilot Countersink Drill for Wide Diameter Threaded Implants - 6.0mm	\$ 122.00
CS275	MicroMiniplant Headless Cover Screw	\$ 34.00
CS275	Miniplant/Standard Headless Cover Screw	\$ 34.00
CS275	Standard Diameter Headless Cover Screw	\$ 34.00
CS275	Wide Diameter 5.0mm Headless Cover Screw	\$ 34.00
CS275	Wide Diameter 6.0mm Headless Cover Screw	\$ 34.00
CS375	Miniplant/Standard Cover Screw	\$ 45.00
CS375	Standard Diameter Implant Cover Screw	\$ 45.00
CS500	Wide Diameter 5.0mm Implant Cover Screw	\$ 45.00
CS600	Wide Diameter 6.0mm Implant Cover Screw	\$ 45.00
CSI10	Miniplant/Standard Cover Screw Insert	\$ 90.00
CSI50	Cover Screw Insert - 5.0mm	\$ 90.00
CSI60	Cover Screw Insert - 6.0mm	\$ 90.00
CSPHS	Surgical Pack - Hospital Standard	\$ 99.00
CSPOI	Surgical Pack - Office Standard (Internal Irrigation)	\$ 75.00
CSPOS	Surgical Pack - Office Standard	\$ 75.00
CW100	Open End Wrench	\$ 90.00
DC100	Countersink Drill	\$ 20.75
DC500	Pilot Countersink Drill for Wide Diameter Threaded Implants - 5.0mm	\$ 20.75
DC600	Pilot Countersink Drill for Wide Diameter Threaded Implants - 6.0mm	\$ 20.75
DDK210	3-Pack Single Patient Use Drill Kit for Implants - 10mm	\$ 19.75
DDK215	3-Pack Single Patient Use Drill Kit for Implants - 15mm	\$ 19.75
DDK220	3-Pack Single Patient Use Drill Kit for Implants - 20mm	\$ 24.75
DDK2710	5-Pack Single Patient Use Drill Kit for Miniplants and Standard Diameter Implants - Twist Drill 2.75mm x 10mm	\$ 52.50
DDK2715	5-Pack Single Patient Use Drill Kit for Miniplants and Standard Diameter Implants - Twist Drill 2.75mm x 15mm	\$ 52.50
DDK2720	5-Pack Single Patient Use Drill Kit for Miniplants and Standard Diameter Implants - Twist Drill 2.75mm x 20mm	\$ 55.00
DDK310	5-Pack Single Patient Use Drill Kit for Miniplants and Standard Diameter Implants - Twist Drill 3.0mm x 10mm	\$ 52.50
DDK315	5-Pack Single Patient Use Drill Kit for Miniplants and Standard Diameter Implants - Twist Drill 3.0mm x 15mm	\$ 52.50
DDK320	5-Pack Single Patient Use Drill Kit for Miniplants and Standard Diameter Implants - Twist Drill 3.0mm x 20mm	\$ 55.00
DE016	Drill Extension	\$ 37.00
DI100	Direction Indicator 10mm	\$ 16.00
DI200	Direction Indicator 15mm	\$ 18.00
DP020	Implant Depth Probe	\$ 101.00

## SURGICAL PRODUCTS BY CODE NUMBER

Catalog Number	Description	Price Each
DP100	Pilot Drill 2mm	\$ 14.25
DR100	Round Drill	\$ 14.25
DR310	Tri-Spade Drill 3.0mm x 10mm	\$ 90.00
DR315	Tri-Spade Drill 3.0mm x 15mm	\$ 90.00
DR320	Tri-Spade Drill 3.0mm x 20mm	\$ 90.00
DR4218	Tri-Spade Drill 4.25 x 18mm	\$ 122.00
DR423	Tri-Spade Drill 4.25 x 13mm	\$ 122.00
DR428	Tri-Spade Drill 4.25 x 8.5mm	\$ 122.00
DR5218	Tri-Spade Drill 5.25 x 18mm	\$ 122.00
DR523	Tri-Spade Drill 5.25x13mm	\$ 122.00
DR528	Tri-Spade Drill 5.25 x 8.5mm	\$ 122.00
DT210	Twist Drill 2.0mm x 10mm	\$ 14.25
DT215	Twist Drill 2.0mm x 15mm	\$ 14.25
DT220	Twist Drill 2.0mm x 20mm	\$ 17.50
DT2710	Twist Drill 2.75mm x 10mm	\$ 14.25
DT2715	Twist Drill 2.75mm x 15mm	\$ 14.25
DT2720	Twist Drill 2.75mm x 20mm	\$ 17.50
DT310	Twist Drill 3.0mm10mm	\$ 14.25
DT3110	Twist Drill 3.15mm x 10mm	\$ 14.25
DT3115	Twist Drill 3.15mm x 15mm	\$ 14.25
DT3120	Twist Drill 3.15mm x 20mm	\$ 17.50
DT315	Twist Drill 3.0mm x 15mm	\$ 14.25
DT320	Twist Drill 3.0mm x 20mm	\$ 17.50
DT3210	Twist Drill 3.25mm x 10mm	\$ 14.25
DT3215	Twist Drill 3.25mm x 15mm	\$ 14.25
DT3220	Twist Drill 3.25mm20mm	\$ 17.50
DT4218	Twist Drill 4.25mm x 18mm	\$ 17.50
DT423	Twist Drill 4.25mm x 13mm	\$ 14.25
DT428	Twist Drill 4.25mm x 8.5mm	\$ 14.25
DT5218	Twist Drill 5.25mm x 18mm	\$ 17.50
DT523	Twist Drill 5.25mm x 13mm	\$ 14.25
DT528	Twist Drill 5.25mm x 8.5mm	\$ 14.25
DU300	Surgical Drilling Unit	\$ 5,494.00
GT10	GORE-TEX Submerged Configuration Large	\$ 213.00
GT4	GORE-TEX Submerged Configuration Small	\$ 147.00
GT6	GORE-TEX Submerged Configuration Medium	\$ 171.00
GT9	GORE-TEX Submerged Configuration Large	\$ 188.00
GTA1	GORE-TEX Transgingival Configuration Anterior Wraparound	\$ 107.00
GTA2	GORE-TEX Transgingival Configuration Posterior Wraparound	\$ 107.00
GTA4	GORE-TEX Transgingival Configuration X-Large Wraparound	\$ 121.00
GTI1	GORE-TEX Transgingival Configuration Anterior Interproximal	\$ 124.00
GTI2	GORE-TEX Transgingival Configuration Posterior Interproximal	\$ 136.00
GTN1	GORE-TEX Transgingival Configuration Single Tooth Narrow	\$ 77.00
GTN2	GORE-TEX Transgingival Configuration Single Tooth X-large	\$ 88.00
GTW1	GORE-TEX Transgingival Configuration Single Tooth Wide	\$ 95.00
GTW2	GORE-TEX Transgingival Configuration Single Tooth Wide X-Large	\$ 108.00
IC100	Surgical Index Coping Assembly	\$ 62.00
ICE310	Standard Diameter 3.75 x 10mm ICE Super Self-Tapping	\$ 205.00
ICE311	Standard Diameter 3.75 x 11.5mm ICE Super Self-Tapping	\$ 205.00
ICE313	Standard Diameter 3.75 x 13mm ICE Super Self-Tapping	\$ 205.00
ICE315	Standard Diameter 3.75 x 15mm ICE Super Self-Tapping	\$ 205.00
ICE318	Standard Diameter 3.75 x 18mm ICE Super Self-Tapping	\$ 205.00
ICE320	Standard Diameter 3.75 x 20mm ICE Super Self-Tapping	\$ 205.00
ICE385	Standard Diameter 3.75 x 8.5mm ICE Super Self-Tapping	\$ 205.00

## SURGICAL PRODUCTS BY CODE NUMBER

Catalog Number	Description	Price Each
ICE410	Standard Diameter 4.0 x 10mm ICE Super Self-Tapping	\$ 205.00
ICE411	Standard Diameter 4.0 x 11.5mm ICE Super Self-Tapping	\$ 205.00
ICE413	Standard Diameter 4.0 x 13mm ICE Super Self-Tapping	\$ 205.00
ICE415	Standard Diameter 4.0 x 15mm ICE Super Self-Tapping	\$ 205.00
ICE418	Standard Diameter 4.0 x 18mm ICE Super Self-Tapping	\$ 205.00
ICE420	Standard Diameter 4.0 x 20mm ICE Super Self-Tapping	\$ 205.00
ICE485	Standard Diameter 4.0 x 8.5mm ICE Super Self-Tapping	\$ 205.00
ICE507	Wide Diameter 5.0 x 7mm ICE Super Self-Tapping	\$ 225.00
ICE510	Wide Diameter 5.0 x 10mm ICE Super Self-Tapping	\$ 225.00
ICE511	Wide Diameter 5.0 x 11.5mm ICE Super Self-Tapping	\$ 225.00
ICE513	Wide Diameter 5.0 x 13mm ICE Super Self-Tapping	\$ 225.00
ICE515	Wide Diameter 5.0 x 15mm ICE Super Self-Tapping	\$ 225.00
ICE518	Wide Diameter 5.0 x 18mm ICE Super Self-Tapping	\$ 225.00
ICE585	Wide Diameter 5.0 x 8.5mm ICE Super Self-Tapping	\$ 225.00
ICE607	Wide Diameter 6.0 x 7mm ICE Super Self-Tapping	\$ 225.00
ICE610	Wide Diameter 6.0 x 10mm ICE Super Self-Tapping	\$ 225.00
ICE611	Wide Diameter 6.0 x 11.5mm ICE Super Self-Tapping	\$ 225.00
ICE613	Wide Diameter 6.0 x 13mm ICE Super Self-Tapping	\$ 225.00
ICE615	Wide Diameter 6.0 x 15mm ICE Super Self-Tapping	\$ 225.00
ICE618	Wide Diameter 6.0 x 18mm ICE Super Self-Tapping	\$ 225.00
ICE685	Wide Diameter 6.0 x 8.5mm ICE Super Self-Tapping	\$ 225.00
IDG30	Cylinder Implant Depth Gauge 3.3mm	\$ 37.00
IDG40	Cylinder Implant Depth Gauge 4.0mm	\$ 48.00
IDG50	Cylinder Implant Depth Gauge 5.0mm	\$ 48.00
IDG60	Cylinder Implant Depth Gauge 6.0mm	\$ 48.00
ISI10	Implant Seating Instrument - Anterior	\$ 54.00
ISI15	Implant Seating Instrument - Posterior	\$ 54.00
ITD2710	Internally Irrigated Tri-Spade Twist Drill 2.75mm x 10mm	\$ 90.00
ITD2715	Internally Irrigated Tri-Spade Twist Drill 2.75mm x 15mm	\$ 90.00
ITD2720	Internally Irrigated Tri-Spade Twist Drill 2.75mm x 20mm	\$ 90.00
ITD310	Internally Irrigated Tri-Spade Twist Drill 3.00mm x 10mm	\$ 90.00
ITD3110	Internally Irrigated Tri-Spade Twist Drill 3.15mm x 10mm	\$ 90.00
ITD3115	Internally Irrigated Tri-Spade Twist Drill 3.15mm x 15mm	\$ 90.00
ITD3120	Internally Irrigated Tri-Spade Twist Drill 3.15mm x 20mm	\$ 90.00
ITD315	Internally Irrigated Tri-Spade Twist Drill 3.00mm x 15mm	\$ 90.00
ITD320	Internally Irrigated Tri-Spade Twist Drill 3.00mm x 20mm	\$ 90.00
ITD3210	Internally Irrigated Tri-Spade Twist Drill 3.25mm x 10mm	\$ 90.00
ITD3215	Internally Irrigated Tri-Spade Twist Drill 3.25mm x 15mm	\$ 90.00
ITD3220	Internally Irrigated Tri-Spade Twist Drill 3.25mm x 20mm	\$ 90.00
ITD4218	Internally Irrigated Tri-Spade Twist Drill 4.25mm x 18mm	\$ 118.50
ITD423	Internally Irrigated Tri-Spade Twist Drill 4.25mm x 13mm	\$ 118.50
ITD428	Internally Irrigated Tri-Spade Twist Drill 4.25mm x 8.5mm	\$ 118.50
ITD5218	Internally Irrigated Tri-Spade Twist Drill 5.25mm x 18mm	\$ 118.50
ITD523	Internally Irrigated Tri-Spade Twist Drill 5.25mm x 13mm	\$ 118.50
ITD528	Internally Irrigated Tri-Spade Twist Drill 5.25mm x 8.5mm	\$ 118.50
MALL1	Mallet	\$ 48.00
MDR10	Handpiece Connector	\$ 98.00
ME100	Single End Membrane Elevator	\$ 46.50
ME200	Double End Membrane Elevator - Medium	\$ 62.00
ME300	Double End Membrane Elevator - Large	\$ 62.00
MH310	Miniplant 3.25 x 10mm ICE Super Self-Tapping	\$ 205.00
MH311	Miniplant 3.25 x 11.5mm ICE Super Self-Tapping	\$ 205.00
MH313	Miniplant 3.25 x 13mm ICE Super Self-Tapping	\$ 205.00
MH315	Miniplant 3.25 x 15mm ICE Super Self-Tapping	\$ 205.00

## SURGICAL PRODUCTS BY CODE NUMBER

Catalog Number	Description	Price Each
MH385	Miniplant 3.25 x 8.5mm ICE Super Self-Tapping	\$ 205.00
MHA32	MicroMiniplant 3.8 x 2mm EP One-Piece Healing Abutment	\$ 33.00
MHA34	MicroMiniplant 3.8 x 4mm EP One-Piece Healing Abutment	\$ 33.00
MHA36	MicroMiniplant 3.8 x 6mm EP One-Piece Healing Abutment	\$ 33.00
MM310	MicroMiniplant 3.25 x 10mm ICE Super Self-Tapping	\$ 205.00
MM311	MicroMiniplant 3.25 x 11.5mm ICE Super Self-Tapping	\$ 205.00
MM313	MicroMiniplant 3.25 x 13mm ICE Super Self Tapping	\$ 205.00
MM315	MicroMiniplant 3.25 x 15mm ICE Super Self-Tapping	\$ 205.00
MM318	MicroMiniplant 3.25 x 18mm ICE Super Self-Tapping	\$ 205.00
MM385	MicroMiniplant 3.25 x 8.5mm ICE Super Self-Tapping	\$ 205.00
MMC03	MicroMiniplant Mount 3mm	\$ 93.00
MMC15	MicroMiniplant Mount 15mm	\$ 93.00
MMCS1	MicroMiniplant Implant Cover Screw	\$ 31.00
MTAP1	MicroMiniplant/Miniplant Bone Tap - 18mm	\$ 90.00
MTAP2	MicroMiniplant/Miniplant Bone Tap (27mm L) -18mm	\$ 90.00
OFDR3	OsseoFix Drill 3mm	\$ 52.00
OFDR4	OsseoFix Drill 4mm	\$ 52.00
OFDR8	OsseoFix Drill 8mm	\$ 52.00
OFKAC	OsseoFix System Autoclave Case	\$ 155.00
OFKB1	OsseoFix Microplate Bender	\$ 129.00
OFKC1	OsseoFix Microplate Cutter	\$ 129.00
OFKIT	OsseoFix Guided Bone Regeneration System	\$ 2,270.50
OFKT1	OsseoFix System Organizer Tray	\$ 285.00
OFKT2	OsseoFix Select System Tray	\$ 195.50
OFLD9	OsseoFix Drill - Lag 9mm	\$ 50.00
OFLDQ1	OsseoFix Squaredrive Long Screwdriver	\$ 155.00
OFMS0	OsseoFix Membrane Stabilizer, Single Point	\$ 40.00
OFMS1	OsseoFix Membrane Stabilizer, Double Point	\$ 129.00
OFP01	OsseoFix Microplate-Single Row	\$ 47.00
OFP03	OsseoFix Microplate-Three Row	\$ 88.00
OFPDQ1	OsseoFix Squaredrive Posterior Screwdriver	\$ 98.00
OFRAQ1	OsseoFix Squaredrive Right Angle	\$ 78.00
OFRD1	OsseoFix 1mm Round Drill	\$ 24.00
OFSKT	OsseoFix Select - Membrane Stabilizing System	\$ 790.00
OFSQ110	OsseoFix Square Drive Screw 5pk 1mmx10mmL	\$ 103.00
OFSQ112	OsseoFix Square Drive Screw 5pk 1mmx12mmL	\$ 103.00
OFSQ13	OsseoFix Square Drive Screw 5pk 1mmx3mmL	\$ 103.00
OFSQ14	OsseoFix Square Drive Screw 5pk 1mmx4mmL	\$ 103.00
OFSQ16	OsseoFix Square Drive Screw 5pk 1mmx6mmL	\$ 103.00
OFSQ18	OsseoFix Square Drive Screw 5pk 1mmx8mmL	\$ 103.00
OFSQW10	OsseoFix Square Drive Screw 5pk 1.2mmx10mmL	\$ 103.00
OFSQW12	OsseoFix Square Drive Screw 5pk 1.2mmx12mmL	\$ 103.00
OFSQW3	OsseoFix Square Drive Screw 5pk 1.2mmx3mmL	\$ 103.00
OFSQW4	OsseoFix Square Drive Screw 5pk 1.2mmx4mmL	\$ 103.00
OFSQW6	OsseoFix Square Drive Screw 5pk 1.2mmx6mmL	\$ 103.00
OFSQW8	OsseoFix Square Drive Screw 5pk 1.2mmx8mmL	\$ 103.00
OS3210	Miniplant 3.25 x 10mm OSSEOTITE	\$ 225.00
OS3211	Miniplant 3.25 x 11.5mm OSSEOTITE	\$ 225.00
OS3213	Miniplant 3.25 x 13mm OSSEOTITE	\$ 225.00
OS3215	Miniplant 3.25 x 15mm OSSEOTITE	\$ 225.00
OS3218	Miniplant 3.25 x 18mm OSSEOTITE	\$ 225.00
OS3285	Miniplant 3.25 x 8.5mm OSSEOTITE	\$ 225.00
OSM310	MicroMiniplant 3.25 x 10mm OSSEOTITE	\$ 225.00
OSM311	MicroMiniplant 3.25 x 11.5mm OSSEOTITE	\$ 225.00



## SURGICAL PRODUCTS BY CODE NUMBER

Catalog Number	Description	Price Each
OSM313	MicroMiniplant 3.25 x 13mm OSSEOTITE	\$ 225.00
OSM315	MicroMiniplant 3.25 x 15mm OSSEOTITE	\$ 225.00
OSM318	MicroMiniplant 3.25 x 13mm OSSEOTITE	\$ 225.00
OSM385	MicroMiniplant 3.25 x 8.5mm OSSEOTITE	\$ 225.00
OSS310	Standard Diameter 3.75 x 10mm OSSEOTITE	\$ 225.00
OSS311	Standard Diameter 3.75 x 11.5mm OSSEOTITE	\$ 225.00
OSS313	Standard Diameter 3.75 x 13mm OSSEOTITE	\$ 225.00
OSS315	Standard Diameter 3.75 x 15mm OSSEOTITE	\$ 225.00
OSS318	Standard Diameter 3.75 x 18mm OSSEOTITE	\$ 225.00
OSS320	Standard Diameter 3.75 x 20mm OSSEOTITE	\$ 225.00
OSS385	Standard Diameter 3.75 x 8.5mm OSSEOTITE	\$ 225.00
OSS410	Standard Diameter 4.0 x 10mm OSSEOTITE	\$ 225.00
OSS411	Standard Diameter 4.0 x 11.5mm OSSEOTITE	\$ 225.00
OSS413	Standard Diameter 4.0 x 13mm OSSEOTITE	\$ 225.00
OSS415	Standard Diameter 4.0 x 15mm OSSEOTITE	\$ 225.00
OSS418	Standard Diameter 4.0 x 18mm OSSEOTITE	\$ 225.00
OSS420	Standard Diameter 4.0 x 20mm OSSEOTITE	\$ 225.00
OSS485	Standard Diameter 4.0 x 8.5mm OSSEOTITE	\$ 225.00
OSS507	Wide Diameter 5.0 x 7mm OSSEOTITE	\$ 250.00
OSS510	Wide Diameter 5.0 x 10mm OSSEOTITE	\$ 250.00
OSS511	Wide Diameter 5.0 x 11.5mm OSSEOTITE	\$ 250.00
OSS513	Wide Diameter 5.0 x 13mm OSSEOTITE	\$ 250.00
OSS515	Wide Diameter 5.0 x 15mm OSSEOTITE	\$ 250.00
OSS518	Wide Diameter 5.0 x 18mm OSSEOTITE	\$ 250.00
OSS585	Wide Diameter 5.0 x 8.5mm OSSEOTITE	\$ 250.00
OSS607	Wide Diameter 6.0 x 7mm OSSEOTITE	\$ 250.00
OSS610	Wide Diameter 6.0 x 10mm OSSEOTITE	\$ 250.00
OSS611	Wide Diameter 6.0 x 11.5mm OSSEOTITE	\$ 250.00
OSS613	Wide Diameter 6.0 x 13mm OSSEOTITE	\$ 250.00
OSS615	Wide Diameter 6.0 x 15mm OSSEOTITE	\$ 250.00
OSS618	Wide Diameter 6.0 x 18mm OSSEOTITE	\$ 250.00
OSS685	Wide Diameter 6.0 x 8.5mm OSSEOTITE	\$ 250.00
OST00	Summers Osteotome Kit 1-4	\$ 398.00
OST01	Summers Osteotome - #1	\$ 90.00
OST02	Summers Osteotome - #2	\$ 90.00
OST03	Summers Osteotome - #3	\$ 90.00
OST04	Summers Osteotome - #4	\$ 90.00
OST05	Osteotome for 5mm Wide Implants	\$ 90.00
OST10	Summers Osteotome Kit, 1-5	\$ 450.00
OST20	Summers Osteotome Kit, 1-FS	\$ 498.00
OSTFS	Osteotome for Future Site	\$ 90.00
P4K13A	GORE-TEX Suture, CV-4 with a 18mm Reverse-Cutting Needle	\$ 118.00
P5K17A	GORE-TEX Suture, CV-5 with a 16mm Reverse-Cutting Needle	\$ 118.00
P5K23A	GORE-TEX Suture, CV-5 with a 18mm Reverse-Cutting Needle	\$ 118.00
P6K13A	GORE-TEX Suture, CV-6 with a 13mm Piercing Point Needle	\$ 126.00
P6K23A	GORE-TEX Suture, CV-6 with a 13mm Reverse-Cutting Needle	\$ 121.00
P6K25A	GORE-TEX Suture, CV-6 with a 16mm Reverse-Cutting Needle	\$ 121.00
P6M14A	GORE-TEX Suture, CV-6 PH-13 1/2, EA	\$ 121.00
PD100	Pilot Drill 2mm	\$ 90.00
PD500	Pilot Drill for Wide Diameter Cylinder Implants - 5.0mm	\$ 118.50
PD600	Pilot Drill for Wide Diameter Cylinder Implants - 6.0mm	\$ 118.50
PMKIT	Pre-Angled Surgical Guide Kit	\$ 294.00
R4	GORE RESOLUT Submerged Configuration Small	\$ 142.00
R5PR245A	GORE RESOLUT Suture, 5-0 with a 13mm Reverse-Cutting Needle	\$ 100.00

## SURGICAL PRODUCTS BY CODE NUMBER

Catalog Number	Description	Price Each
R5PRE345A	GORE-RESOLUT Suture, 5-0 with a 16mm Reverse-Cutting Needle	\$ 100.00
R6	GORE RESOLUT Submerged Configuration Medium	\$ 163.00
R6PRE245A	GORE RESOLUT Suture, 6-0 with a 13mm Reverse-Cutting Needle	\$ 100.00
RA2	GORE RESOLUT Transgingival Configuration Posterior Wraparound	\$ 110.00
RD100	Round Drill	\$ 30.00
RE100	Ratchet Extension 6mm	\$ 70.00
RE200	Ratchet Extension 15mm	\$ 80.00
RI1	GORE RESOLUT Transgingival Configuration Anterior Interproximal	\$ 128.00
RI2	GORE RESOLUT Transgingival Configuration Posterior Interproximal	\$ 139.00
RMB30	Radiographic Marking Balls - 30 pack	\$ 16.00
RW1	GORE RESOLUT Transgingival Configuration Single Tooth Wide	\$ 97.00
SABC4	Miniplant/Standard GingiSCULPT Healing Abutment Premolar	\$ 40.00
SAL54	Wide Diameter 5.0mm GingiSCULPT Healing Abutment Large Incisor	\$ 40.00
SALI4	Miniplant/Standard GingiSCULPT Healing Abutment Large Incisor	\$ 40.00
SAM54	Wide Diameter 5.0mm GingiSCULPT Healing Abutment Molar	\$ 40.00
SAM64	Wide Diameter 6.0mm GingiSCULPT Healing Abutment Molar	\$ 40.00
SAMO4	Miniplant/Standard GingiSCULPT Healing Abutment Molar	\$ 40.00
SASI4	Miniplant/Standard GingiSCULPT Healing Abutment Small Incisor	\$ 40.00
SEKT1	Sinus Elevation Kit	\$ 458.00
SGT25	Stent Guide Tubes - 25 pack	\$ 27.00
SKT20	Basic Surgical Kit for Threaded Implants	\$ 2,575.00
SKT20A	Basic Surgical Kit for Threaded Implants without Drills	\$ 1,880.00
SKT22	Surgical Kit for 5.0/6.0mm Wide Diameter Threaded Implants	\$ 1,500.00
SKT23	Surgical Kit for 3.3/4.0/4.25mm Cylinder Implants	\$ 545.00
SKT24	Surgical Kit for 5.0/6.0mm Wide Diameter Cylinder Implants	\$ 745.00
SKT25	Basic Surgical Kit for Cylinder Implants	\$ 2,577.00
SKT25A	Basic Surgical Kit for Cylinder Implants without Drills	\$ 1,489.50
ST310	Standard Diameter 3.75 x 10mm ST Self-Tapping Threaded	\$ 175.00
ST313	Standard Diameter 3.75 x 13mm ST Self-Tapping Threaded	\$ 175.00
ST315	Standard Diameter 3.75 x 15mm ST Self-Tapping Threaded	\$ 175.00
ST318	Standard Diameter 3.75 x 18mm ST Self-Tapping Threaded	\$ 175.00
ST320	Standard Diameter 3.75 x 20mm ST Self-Tapping Threaded	\$ 175.00
ST385	Standard Diameter 3.75 x 8.5mm ST Self-Tapping Threaded	\$ 175.00
TAP10	Standard Diameter Bone Tap - 10mm	\$ 90.00
TAP13	Standard Diameter Bone Tap - 13mm	\$ 90.00
TAP20	Standard Diameter Bone Tap - 20mm	\$ 90.00
TAP518S	Wide Diameter Bone Tap - 5.0mm x 18mm	\$ 118.50
TAP53S	Wide Diameter Bone Tap - 5.0mm x 13mm	\$ 118.50
TAP58S	Wide Diameter Bone Tap - 5.0mm x 8.5mm	\$ 118.50
TAP618S	Wide Diameter Bone Tap - 6.0mm x 18mm	\$ 118.50
TAP63S	Wide Diameter Bone Tap - 6.0mm x 13mm	\$ 118.50
TAP68S	Wide Diameter Bone Tap - 6.0mm x 8.5mm	\$ 118.50
TC012	Titanium Curette 11/12 Gracey Configuration	\$ 38.50
TC034	Titanium Curette 13/14 Gracey Configuration.	\$ 38.50
TC078	Titanium Curette 7/8 Gracey Configuration	\$ 38.50
TCB33	Tri-Flute Cylinder Bur 3.3mm x 13mm	\$ 105.00
TCB38	Tri-Flute Cylinder Bur 3.3mm x 18mm	\$ 105.00
TCB423	Tri-Flute Cylinder Bur 4.25mm x 13mm	\$ 105.00
TCB428	Tri-Flute Cylinder Bur 4.25mm x 18mm	\$ 105.00
TCB43	Tri-Flute Cylinder Bur 4.0mm x 13mm	\$ 105.00
TCB48	Tri-Flute Cylinder Bur 4.0mm x 18mm	\$ 105.00
TCB53	Tri-Flute Cylinder Bur 5.0mm x 13mm	\$ 122.00
TCB58	Tri-Flute Cylinder Bur 5.0 x 8.5mm	\$ 122.00
TCB63	Tri-Flute Cylinder Bur 6.0mm x 13mm	\$ 122.00

## SURGICAL PRODUCTS BY CODE NUMBER

Catalog Number	Description	Price Each
TCB68	Tri-Flute Cylinder Bur 6.0mm x 8.5mm	\$ 122.00
TCKIT	Titanium Curette Kit	\$ 77.50
TD210	Twist Drill 2.0mm x 10mm	\$ 90.00
TD215	Twist Drill 2.0mm x 15mm	\$ 90.00
TD220	Twist Drill 2.0mm x 20mm	\$ 90.00
TD310	Twist Drill 3.0mm x 10mm	\$ 90.00
TD3110	Twist Drill 3.15mm x 10mm	\$ 90.00
TD3115	Twist Drill 3.15mm x 15mm	\$ 90.00
TD3120	Twist Drill 3.15mm x 20mm	\$ 90.00
TD315	Twist Drill 3.0mm x 15mm	\$ 90.00
TD320	Twist Drill 3.0mm x 20mm	\$ 90.00
TD3210	Twist Drill 3.25mm x 10mm	\$ 90.00
TD3215	Twist Drill 3.25mm x 15mm	\$ 90.00
TD3220	Twist Drill 3.25mm x 20mm	\$ 90.00
TE003	Titanium Elevator	\$ 129.00
TF002	Titanium Forceps	\$ 122.00
TG2310	TG 1.8/Osseotite 3.25mm x 10mm	\$ 220.00
TG2311	TG 1.8/Osseotite 3.25mm x 11.5mm	\$ 220.00
TG2313	TG 1.8/Osseotite 3.25mm x 13mm	\$ 220.00
TG2315	TG 1.8/Osseotite 3.25mm x 15mm	\$ 220.00
TG2385	TG 1.8/Osseotite 3.25mm x 8.5mm	\$ 220.00
TG2410	TG 1.8/Osseotite 4mm x 10mm	\$ 220.00
TG2411	TG 1.8/Osseotite 4mm x 11.5mm	\$ 220.00
TG2413	TG 1.8/Osseotite 4mm x 13mm	\$ 220.00
TG2415	TG 1.8/Osseotite 4mm x 15mm	\$ 220.00
TG2485	TG 1.8/Osseotite 4mm x 8.5mm	\$ 220.00
TG2510	TG 1.8/Osseotite 5mm x 10mm	\$ 250.00
TG2511	TG 1.8/Osseotite 5mm x 11.5mm	\$ 250.00
TG2513	TG 1.8/Osseotite 5mm x 13mm	\$ 250.00
TG2515	TG 1.8/Osseotite 5mm x 15mm	\$ 250.00
TG2585	TG 1.8/Osseotite 5mm x 8.5mm	\$ 250.00
TG3310	TG 2.8/Osseotite 3.25mm x 10mm	\$ 220.00
TG3311	TG 2.8/Osseotite 3.25mm x 11.5mm	\$ 220.00
TG3313	TG 2.8/Osseotite 3.25mm x 13mm	\$ 220.00
TG3315	TG 2.8/Osseotite 3.25mm x 15mm	\$ 220.00
TG3385	TG 2.8/Osseotite 3.25mm x 8.5mm	\$ 220.00
TG3410	TG 2.8/Osseotite 4mm x 10mm	\$ 220.00
TG3411	TG 2.8/Osseotite 4mm x 11.5mm	\$ 220.00
TG3413	TG 2.8/Osseotite 4mm x 13mm	\$ 220.00
TG3415	TG 2.8/Osseotite 4mm x 15mm	\$ 220.00
TG3485	TG 2.8/Osseotite 4mm x 8.5mm	\$ 220.00
TG3510	TG 2.8/Osseotite 5mm x 10mm	\$ 250.00
TG3511	TG 2.8/Osseotite 5mm x 11.5mm	\$ 250.00
TG3513	TG 2.8/Osseotite 5mm x 13mm	\$ 250.00
TG3515	TG 2.8/Osseotite 5mm x 15mm	\$ 250.00
TG3585	TG 2.8/Osseotite 5mm x 8.5mm	\$ 250.00
TGCS05	TG Cover Screw 0.5mm	\$ 20.00
TGCS10	TG Cover Screw 1mm	\$ 25.00
TGCS20	TG Cover Screw 2mm	\$ 40.00
TGCS30	TG Cover Screw 3mm	\$ 40.00
TGCS40	TG Cover Screw 4mm	\$ 40.00
TGCS50	TG Cover Screw 5mm	\$ 40.00
TH254	Miniplant/Standard 5.0 x 4mm EP Two-Piece Healing Abutment	\$ 35.00
TH256	Miniplant/Standard 5.0 x 6mm EP Two-Piece Healing Abutment	\$ 35.00

## SURGICAL PRODUCTS BY CODE NUMBER

Catalog Number	Description	Price Each
TH258	Miniplant/Standard 5.0 x 8mm EP Two-Piece Healing Abutment	\$ 35.00
TH264	Miniplant/Standard 6.0 x 4mm EP Two-Piece Healing Abutment	\$ 39.00
TH266	Miniplant/Standard 6.0 x 6mm EP Two-Piece Healing Abutment	\$ 39.00
TH268	Miniplant/Standard 6.0 x 8mm EP Two-Piece Healing Abutment	\$ 39.00
TH274	Miniplant/Standard 7.5 x 4mm EP Two-Piece Healing Abutment	\$ 39.00
TH276	Miniplant/Standard 7.5 x 6mm EP Two-Piece Healing Abutment	\$ 39.00
TH278	Miniplant/Standard 7.5 x 8mm EP Two-Piece Healing Abutment	\$ 39.00
TH310	Miniplant 3.3 x 10mm Cylinder	\$ 205.00
TH313	Miniplant 3.3 x 13mm Cylinder	\$ 205.00
TH315	Miniplant 3.3 x 15mm Cylinder	\$ 205.00
TH385	Miniplant 3.3 x 8.5mm Cylinder	\$ 205.00
THA52	Miniplant/Standard 5.0 x 2mm EP One-Piece Healing Abutment	\$ 29.00
THA54	Miniplant/Standard 5.0 x 4mm EP One-Piece Healing Abutment	\$ 29.00
THA56	Miniplant/Standard 5.0 x 6mm EP One-Piece Healing Abutment	\$ 29.00
THA58	Miniplant/Standard 5.0 x 8mm EP One-Piece Healing Abutment	\$ 29.00
THA64	Miniplant/Standard 6.0 x 4mm EP One-Piece Healing Abutment	\$ 38.00
THA66	Miniplant/Standard 6.0 x 6mm EP One-Piece Healing Abutment	\$ 38.00
THA68	Miniplant/Standard 6.0 x 8mm EP One-Piece Healing Abutment	\$ 38.00
THA74	Miniplant/Standard 7.5 x 4mm EP One-Piece Healing Abutment	\$ 38.00
THA76	Miniplant/Standard 7.5 x 6mm EP One-Piece Healing Abutment	\$ 38.00
THA78	Miniplant/Standard 7.5 x 8mm EP One-Piece Healing Abutment	\$ 38.00
TIBC1	Titanium Coated Bone Carrier	\$ 139.00
TM310	MicroMiniplant 3.3 x 10mm Cylinder	\$ 205.00
TM313	MicroMiniplant 3.3 x 13mm Cylinder	\$ 205.00
TM315	MicroMiniplant 3.3 x 15mm Cylinder	\$ 205.00
TM385	MicroMiniplant 3.3 x 8.5mm Cylinder	\$ 205.00
TMP80	Tissue Measuring Post	\$ 87.50
TP001	Tissue Punch - Standard	\$ 27.00
TP005	Tissue Punch - 5.0mm	\$ 27.00
TP006	Tissue Punch - 6.0mm	\$ 27.00
TP407	Standard Diameter 4.0 x 7mm Cylinder	\$ 205.00
TP410	Standard Diameter 4.0 x 10mm Cylinder	\$ 205.00
TP413	Standard Diameter 4.0 x 13mm Cylinder	\$ 205.00
TP415	Standard Diameter 4.0 x 15mm Cylinder	\$ 205.00
TP418	Standard Diameter 4.0 x 18mm Cylinder	\$ 205.00
TP485	Standard Diameter 4.0 x 8.5mm Cylinder	\$ 205.00
TP507	Wide Diameter 5.0 x 7mm Cylinder	\$ 225.00
TP510	Wide Diameter 5.0 x 10mm Cylinder	\$ 225.00
TP513	Wide Diameter 5.0 x 13mm Cylinder	\$ 225.00
TP585	Wide Diameter 5.0 x 8.5mm Cylinder	\$ 225.00
TP607	Wide Diameter 6.0 x 7mm Cylinder	\$ 225.00
TP610	Wide Diameter 6.0 x 10mm Cylinder	\$ 225.00
TP613	Wide Diameter 6.0 x 13mm Cylinder	\$ 225.00
TP685	Wide Diameter 6.0 x 8.5mm Cylinder	\$ 225.00
TR4Y	GORE-TEX Titanium Reinforced Submerged Configuration Small	\$ 177.00
TR6T	GORE-TEX Titanium Reinforced Submerged Configuration Medium	\$ 204.00
TR6Y	GORE-TEX Titanium Reinforced Submerged Configuration Medium	\$ 204.00
TR9W	GORE-TEX Titanium Reinforced Submerged Configuration Large	\$ 227.00
TRA4	GORE-TEX Titanium Reinforced Transgingival Configuration	
	Wraparound X-Large	\$ 147.00
RE02	Trephine Bur 2mm dia	\$ 97.00
TRE04	Trephine Bur 4mm dia	\$ 97.00
TRE05	Trephine Bur 5mm dia	\$ 97.00
TRE06	Trephine Bur 6mm dia	\$ 97.00

## SURGICAL PRODUCTS BY CODE NUMBER

Catalog Number	Description	Price Each
TRE08	Trephine Bur 8mm dia	\$ 97.00
TRI1	GORE-TEX Titanium Reinforced Transgingival Configuration Anterior Interproximal	\$ 147.00
TRI2	GORE-TEX Titanium Reinforced Transgingival Configuration Posterior Interproximal	\$ 165.00
TRN2	GORE-TEX Titanium Reinforced Transgingival Configuration Single Tooth Narrow X-Large	\$ 109.00
TRW2	GORE-TEX Titanium Reinforced Transgingival Configuration Single Tooth Wide X-Large	\$ 131.00
TST01	Titanium Suction Tip	\$ 129.00
TT250	Aluminum Surgical Tray	\$ 340.00
TT300	Surgical Tray and Blue Drill Organizing Block	\$ 798.50
WDP02	Wide Implant Depth Probe	\$ 122.00
WR100	Ratchet Wrench	\$ 175.00
WT2554	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 5.0 x 4mm	\$ 49.00
WT2556	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 5.0 x 6mm	\$ 49.00
WT2558	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 5.0 x 8mm	\$ 49.00
WT2564	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 6.0 x 4mm	\$ 49.00
WT2566	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 6.0 x 6mm	\$ 49.00
WT2568	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 6.0 x 8mm	\$ 49.00
WT2574	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 7.5 x 4mm	\$ 49.00
WT2576	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 7.5 x 6mm	\$ 49.00
WT2578	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 7.5 x 8mm	\$ 49.00
WT2664	Wide Diameter 6.0mm EP Two-Piece Healing Abutment 6.0 x 4mm	\$ 49.00
WT2666	Wide Diameter 6.0mm EP Two-Piece Healing Abutment 6.0 x 6mm	\$ 49.00
WT2668	Wide Diameter 6.0mm EP Two-Piece Healing Abutment 6.0 x 8mm	\$ 49.00
WT2674	Wide Diameter 6.0mm EP Two-Piece Healing Abutment 7.5 x 4mm	\$ 49.00
WT2676	Wide Diameter 6.0mm EP Two-Piece Healing Abutment 7.5 x 6mm	\$ 49.00
WT2678	Wide Diameter 6.0mm EP Two-Piece Healing Abutment 7.5 x 8mm	\$ 49.00
WTH52	Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 2mm	\$ 42.00
WTH54	Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 4mm	\$ 42.00
WTH56	Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 6mm	\$ 42.00
WTH562	Wide Diameter 5.0mm EP One-Piece Healing Abutment 6.0 x 2mm	\$ 42.00
WTH564	Wide Diameter 5.0mm EP One-Piece Healing Abutment 6.0 x 4mm	\$ 42.00
WTH566	Wide Diameter 5.0mm EP One-Piece Healing Abutment 6.0 x 6mm	\$ 42.00
WTH568	Wide Diameter 5.0mm EP One-Piece Healing Abutment 6.0 x 8mm	\$ 42.00
WTH572	Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 2mm	\$ 42.00
WTH574	Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 4mm	\$ 42.00
WTH576	Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 6mm	\$ 42.00
WTH578	Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 8mm	\$ 42.00
WTH58	Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 8mm	\$ 42.00
WTH62	Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 2mm	\$ 42.00
WTH64	Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 4mm	\$ 42.00
WTH66	Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 6mm	\$ 42.00
WTH672	Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 2mm	\$ 42.00
WTH674	Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 4mm	\$ 42.00
WTH676	Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 6mm	\$ 42.00
WTH678	Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 8mm	\$ 42.00
WTH68	Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 8mm	\$ 42.00
XDG00	Gelb Radiographic Depth Gauge Kit	\$ 90.00
XT11	GORE RESOLUT XT Anterior Interproximal	\$ 125.00
XT12	GORE RESOLUT XT Posterior Interproximal	\$ 138.00
XT13	GORE RESOLUT XT Premolar/Molar Interproximal	\$ 138.00
XT4	GORE RESOLUT XT Submerged Configuration Small	\$ 139.00

## SURGICAL PRODUCTS BY CODE NUMBER

### Catalog Number

XT6  
XTA2  
XTA4  
XTN2  
XTW1

### Description

GORE RESOLUT XT Submerged Configuration Medium  
GORE RESOLUT XT Posterior Wraparound  
GORE RESOLUT XT X-Large Wraparound  
GORE RESOLUT XT X-Large Single Tooth Narrow  
GORE RESOLUT XT Single Tooth Wide

### Price Each

\$ 159.00  
\$ 111.00  
\$ 179.00  
\$ 112.00  
\$ 99.00

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## Restorative Products

### **Products Listed By Code Number**



## RESTORATIVE PRODUCTS BY CODE NUMBER

Catalog Number	Description	Price Each
3IQCDM	3iQ for Macintosh	\$ 149.00
3IQCDW	3iQ for Windows	\$ 149.00
AB200	Standard Abutment 2mm	\$ 105.00
AB300	Standard Abutment 3mm	\$ 105.00
AB400	Standard Abutment 4mm	\$ 105.00
AB550	Standard Abutment 5.5mm	\$ 105.00
AB700	Standard Abutment 7mm	\$ 105.00
AG900	Prosthetic Angle Guide Kit	\$ 79.50
APP452	Two-Piece Abutment Post 4-5mm x 2mm	\$ 115.00
APP454	Two-Piece Abutment Post 4-5mm x 4mm	\$ 115.00
APP462	Two-Piece Abutment Post 4-6mm x 2mm	\$ 115.00
APP464	Two-Piece Abutment Post 4-6mm x 4mm	\$ 115.00
APP472	Two-Piece Abutment Post 4-7.5mm x 2mm	\$ 115.00
APP474	Two-Piece Abutment Post 4-7.5mm x 4mm	\$ 115.00
BKM01	"Dental Implants: Are They for Me?"	\$ 29.00
BKS03	"Surgical and Prosthetic Approach to Osseointegration with the 3i Implant System"	\$ 101.00
CA001	EP/Conical Abutment 1mm	\$ 110.00
CA002	EP/Conical Abutment 2mm	\$ 110.00
CA003	EP/Conical Abutment 3mm	\$ 110.00
CA004	EP/Conical Abutment 4mm	\$ 110.00
CA055	EP/Conical Abutment 5.5mm	\$ 110.00
CAGC5	EP/Conical Gold Cylinder	\$ 58.00
CAGC6	6mm EP/Conical Gold Cylinder 6mm	\$ 65.00
CATC1	Contra Angle Torque Control 10Ncm	\$ 155.00
CATC2	Contra Angle Torque Control 20Ncm	\$ 155.00
CATC3	Contra Angle Torque Control 32Ncm	\$ 155.00
CATD0	Contra Angle Torque Driver Kit	\$ 745.00
CATDB	Contra Angle Torque Driver Body	\$ 295.00
CC300	EP/Conical Temporary Cylinder	\$ 23.00
CGC30	Standard Abutment Chamfered Gold Cylinder	\$ 52.00
CIC55	EP/Conical Transfer Impression Coping 5mm	\$ 16.00
CIC56	EP/Conical Transfer Impression Coping 5-6mm	\$ 16.00
CIC57	EP/Conical Transfer Impression Coping 5-7.5mm	\$ 16.00
CLA20	EP/Conical Lab Analog	\$ 10.00
CNC30	EP/Conical Non-Rotating Temporary Cylinder	\$ 23.00
CNRG5	EP/Conical Non-Rotating Gold Cylinder	\$ 74.00
CNRG6	6mm EP/Conical Non-Rotating Gold Cylinder 6mm	\$ 80.00
CNRIC	EP/Conical Pick-up Impression Coping Non-Rotating 5mm	\$ 28.00
CS250	EP/Conical Healing Cap 5mm	\$ 15.50
CS260	EP/Conical Healing Cap 5-6mm	\$ 15.50
CS270	EP/Conical Healing Cap 5-7.5mm	\$ 15.50
CSQ06	EP/Conical Pick-up Impression Coping 5-6mm	\$ 18.00
CSQ07	EP/Conical Pick-up Impression Coping 5-7.5mm	\$ 18.00
CSQI7	EP/Conical Pick-up Impression Coping 5mm	\$ 18.00
CSQN6	EP/Conical Pick-up Impression Coping Non-Rotating 5-6mm	\$ 28.00
CSQN7	EP/Conical Pick-up Impression Coping Non-Rotating 5-7.5mm	\$ 28.00
FC100	Patient Flip Chart	\$ 46.35
GPA01	Gold Post 1mm	\$ 120.00
GPA02	Gold Post 2mm	\$ 120.00
GPA03	Gold Post 3mm	\$ 120.00
GPA04	Gold Post 4mm	\$ 120.00
GSH20	Abutment Gold Hex Screw 2mm	\$ 19.00
GSH30	Abutment Gold Hex Screw 3mm	\$ 19.00



## RESTORATIVE PRODUCTS BY CODE NUMBER

Catalog Number	Description	Price Each
GUCG1	Gold UCLA Hexed Abutment w/ Hexed Gold Screw	\$ 127.00
GUCG2	Gold UCLA Non-Hex w/ Hexed Gold Screw	\$ 127.00
GUCH1	Gold UCLA Hexed Abutment w/ Hexed Ti Screw	\$ 120.00
GUCH2	Gold UCLA Non-Hex w/ Hexed Ti Screw	\$ 120.00
IC100	First Stage Index Coping	\$ 62.00
IC106	Index Coping Drill Guide	\$ 18.50
ICD00	Impression Coping Driver	\$ 87.50
ID100	Index Coping Drill	\$ 16.00
IIC12	Implant Pick-up Impression Coping 5mm	\$ 35.00
IIC45	Implant Transfer Impression Coping 5mm	\$ 35.00
IIC46	Implant Transfer Impression Coping 5-6mm	\$ 35.00
IIC47	Implant Transfer Impression Coping 5-7.5mm	\$ 35.00
IIC60	Implant Pick-up Impression Coping 5-6mm	\$ 35.00
IIC75	Implant Pick-up Impression Coping 5-7.5mm	\$ 35.00
ILA20	Implant Lab Analog	\$ 16.50
ILAW5	5mm Implant Lab Analog	\$ 23.00
ILAW6	6mm Implant Lab Analog	\$ 23.00
ITCH0	Implant Temporary Cylinder Hexed	\$ 45.00
ITCH1	Implant Temporary Cylinder Non-Hexed	\$ 45.00
LM100	Lapping Material	\$ 8.50
LT034	Lapping Tool - Standard Abutment	\$ 23.50
LT150	Lapping Tool - Castable Plastic UCLA	\$ 23.00
LTAH7	Abutment Post Holder	\$ 31.50
MAP31	MicroMiniplant Two-Piece Abutment Post 1mm	\$ 99.00
MAP33	MicroMiniplant Two-Piece Abutment Post 3mm	\$ 99.00
MCA31	MicroMiniplant EP/Conical Abutment 1mm	\$ 115.00
MCA32	MicroMiniplant EP/Conical Abutment 2mm	\$ 115.00
MCA33	MicroMiniplant EP/Conical Abutment 3mm	\$ 115.00
MCA34	MicroMiniplant EP/Conical Abutment 4mm	\$ 115.00
MCAG1	MicroMiniplant EP/Conical Non-Rotating Gold Cylinder	\$ 75.00
MCAG2	MicroMiniplant EP/Conical Gold Cylinder	\$ 60.00
MCTC1	MicroMiniplant EP/Conical Temporary Cylinder Hexed	\$ 23.00
MCTC2	MicroMiniplant EP/Conical Temporary Cylinder Non-Hexed	\$ 23.00
MEC33	MicroMiniplant EP/Conical Impression Coping	\$ 33.00
MHC33	MicroMiniplant EP/Conical Healing Cap	\$ 16.50
MIC33	MicroMiniplant Implant Pick-up Impressing Coping	\$ 35.00
MMCLA	MicroMiniplant EP/Conical Lab Analog	\$ 16.00
MMILA	MicroMiniplant Implant Lab Analog	\$ 16.00
MMTC1	MicroMiniplant Implant Temporary Cylinder Hexed	\$ 45.00
MUCG1	MicroMiniplant UCLA Hexed Abutment w/ Square Screw	\$ 127.00
OSO20	O-Ring Abutment 2mm	\$ 110.00
OSO40	O-Ring Abutment 4mm	\$ 110.00
OSO60	O-Ring Abutment 6mm	\$ 110.00
OSOCA	Castable O-Ring System	\$ 34.00
PAD00	Posterior Abutment Driver - 17mm	\$ 123.50
PAD01	O-Ring Abutment Driver	\$ 55.50
PAD24	Standard Abutment Driver - 24mm	\$ 123.50
PH152	Pre-Angled Abutment 15 degree x 2mm	\$ 158.00
PH154	Pre-Angled Abutment 15 degree x 4mm	\$ 158.00
PH156	Pre-Angled Abutment 15 degree x 6mm	\$ 158.00
PH252	Pre-Angled Abutment 25 degree x 2mm	\$ 158.00
PH254	Pre-Angled Abutment 25 degree x 4mm	\$ 158.00
PH256	Pre-Angled Abutment 25 degree x 6mm	\$ 158.00
PHD00	Posterior Small Hex Driver - 17mm	\$ 87.50

## RESTORATIVE PRODUCTS BY CODE NUMBER

Catalog Number	Description	Price Each
PHD01	Standard Small Hex Driver - 24mm	\$ 87.50
PHD02	Posterior Large Hex Driver - 17mm	\$ 87.50
PHD03	Standard Large Hex Driver - 24mm	\$ 87.50
PPCA3	EP/Conical Polishing Protector	\$ 12.00
PPIA3	Implant Polishing Protector	\$ 12.00
PPMC1	MicroMiniplant EP/Conical Polishing Protector	\$ 12.00
PPMM1	MicroMiniplant Implant Polishing Protector	\$ 12.00
PPSA3	Standard Abutment Polishing Protector	\$ 12.00
PPST5	STA Abutment Polishing Protector	\$ 12.00
PPST6	6mm STA Abutment Polishing Protector - 6mm	\$ 12.00
PSDKO	Prosthetic Instrument Set	\$ 1850.00
PSDT1	Prosthetic System Delivery Tray	\$ 247.50
PSQD0	Posterior Square Driver - 17mm	\$ 87.50
PSQD1	Standard Square Driver - 24mm	\$ 87.50
RASA3	Right Angle Abutment Driver Tip	\$ 38.00
RASD0	Right Angle Driver	\$ 304.00
RASDK	Right Angle Driver Kit	\$ 315.00
RASH2	Right Angle Small Hex Driver Tip - 24mm	\$ 38.00
RASH3	Right Angle Large Hex Driver Tip - 24mm	\$ 38.00
RASH7	Right Angle Small Hex Driver Tip - 30mm	\$ 38.00
RASH8	Right Angle Large Hex Driver Tip - 30mm	\$ 38.00
RASQ3	Right Angle Square Driver Tip - 24mm	\$ 38.00
RASQ8	Right Angle Square Driver Tip - 30mm	\$ 38.00
RH600	Reamer & Handle - Standard & Castable UCLA	\$ 26.50
SCA001	EP/Conical ZR Abutment 1mm	\$ 115.00
SCA002	EP/Conical ZR Abutment 2mm	\$ 115.00
SCA003	EP/Conical ZR Abutment 3mm	\$ 115.00
SCA004	EP/Conical ZR Abutment 4mm	\$ 115.00
SCA055	EP/Conical ZR Abutment 5.5mm	\$ 115.00
SGC30	Standard Abutment Gold Cylinder	\$ 49.00
SGC34	Standard Abutment Plastic Castable Cylinder	\$ 15.00
SGUCG1	ZR UCLA Hexed Abutment w/ Hexed Gold Screw	\$ 134.00
SGUCH1	ZR UCLA Hexed Abutment w/ Hexed Ti Screw	\$ 124.00
SGUCS1	ZR UCLA Hexed Abutment w/ Square Screw	\$ 134.00
SHATO	Hex Alignment Tool	\$ 56.50
SIC70	Standard Abutment Transfer Impression Coping	\$ 15.00
SIP00	Universal Impression Coping Post	\$ 11.00
SLA20	Standard Abutment Analog	\$ 10.00
SPIC5	STA Abutment Pick-up Impression Coping 5mm	\$ 18.00
SPIC56	STA Abutment Pick-up Impression Coping 5-6mm	\$ 18.00
SPIC57	STA Abutment Pick-up Impression Coping 5-7.5mm	\$ 18.00
SPIC6	STA Abutment Pick-up Impression Coping 6mm	\$ 19.00
SPIC67	STA Abutment Pick-up Impression Coping 6-7.5mm	\$ 19.00
SQIC7	Standard Abutment Pick-up Impression Coping	\$ 16.50
SRBC44	GingiSCULPT Bicuspid Impression Kit - Standard	\$ 65.00
SRLI44	GingiSCULPT Small Incisor Impression Kit-Standard	\$ 65.00
SRLI54	GingiSCULPT Large Incisor Impression Kit 5mm	\$ 66.00
SRM064	GingiSCULPT Molar Impression Kit 6mm	\$ 66.00
SRMO44	GingiSCULPT Molar Impression Kit - Standard	\$ 65.00
SRMO54	GingiSCULPT Molar Impression Kit 5mm	\$ 66.00
SRSI44	GingiSCULPT Large Incisor Impression Kit-Standard	\$ 65.00
SRT01	Screw Removal Tool - Tap	\$ 67.00
SRT02	Screw Removal Tool - 1.04mm Drill	\$ 51.50
SRT03	Screw Removal Tool - 1.18mm Drill	\$ 51.50

## RESTORATIVE PRODUCTS BY CODE NUMBER

Catalog Number	Description	Price Each
SRT04	Screw Removal Tool - Extracting Drill	\$ 46.50
SRT05	Screw Removal Tool - Guide Handle	\$ 95.00
SRT10	Screw Removing Tool	\$ 295.00
STA451	STA Abutment 1mm	\$ 165.00
STA452	STA Abutment 2mm	\$ 165.00
STA453	STA Abutment 3mm	\$ 165.00
STA454	STA Abutment 4mm	\$ 165.00
STA455	STA Abutment 5mm	\$ 165.00
STA551	STA Abutment 5mm x1mm	\$ 173.00
STA552	STA Abutment 5mm x2mm	\$ 173.00
STA553	STA Abutment 5mm x3mm	\$ 173.00
STA661	STA Abutment - 6mm x1mm	\$ 173.00
STA662	STA Abutment - 6mm x2mm	\$ 173.00
STA663	STA Abutment - 6mm x3mm	\$ 173.00
STGC5	STA Abutment Gold Cylinder	\$ 67.00
STGC6	6mm STA Abutment Gold Cylinder	\$ 67.00
STIC5	STA Abutment Transfer Impression Coping 5mm	\$ 18.00
STIC56	STA Abutment Transfer Impression Coping 5-6mm	\$ 18.00
STIC57	STA Abutment Transfer Impression Coping 5-7.5mm	\$ 18.00
STIC6	STA Abutment Transfer Impression Coping 6mm	\$ 19.00
STIC67	STA Abutment Transfer Impression Coping 6-7.5mm	\$ 19.00
STLA5	STA Abutment Analog	\$ 17.00
STLA6	6mm STA Abutment Analog	\$ 17.00
STTC5	STA Temporary Cylinder 5mm	\$ 15.00
STTC6	6mm STA Temporary Cylinder 6mm	\$ 15.00
STTH5	STA Abutment Healing Cap 5mm	\$ 16.50
STTH56	STA Abutment Healing Cap 5-6mm	\$ 16.50
STTH57	STA Abutment Healing Cap 5-7.5mm	\$ 16.50
STTH6	6mm STA Abutment Healing Cap 6mm	\$ 17.50
STTH67	6mm STA Abutment Healing Cap 6-7.5mm	\$ 17.50
SWCA51	EP/Conical 5mm ZR Abutment 1mm	\$ 122.00
SWCA52	EP/Conical 5mm ZR Abutment 2mm	\$ 122.00
SWCA53	EP/Conical 5mm ZR Abutment 3mm	\$ 122.00
SWCA54	EP/Conical 5mm ZR Abutment 4mm	\$ 122.00
SWCA55	EP/Conical 5mm ZR Abutment 5.5mm	\$ 122.00
SWCA61	EP/Conical 6mm ZR Abutment 1mm	\$ 122.00
SWCA62	EP/Conical 6mm ZR Abutment 2mm	\$ 122.00
SWCA63	EP/Conical 6mm ZR Abutment 3mm	\$ 122.00
SWCA64	EP/Conical 6mm ZR Abutment 4mm	\$ 122.00
SWCA65	EP/Conical 6mm ZR Abutment 5.5mm	\$ 122.00
SWGA51	ZR UCLA Hexed 5mm Abutment w/ Gold Square Screw	\$ 134.00
SWGA61	ZR UCLA Hexed 6mm Abutment w/ Gold Square Screw	\$ 134.00
TC300	Standard Abutment Temporary Cylinder	\$ 23.00
TGA01	TG Hex Abutment	\$ 95.00
TGAGC	TG Post/Gold Post Gold Cylinder	\$ 67.50
TGAHC	TG Hex Abutment Healing Cap	\$ 15.00
TGANRC	TG Post/Gold Post Gold Non-Rotating Cylinder	\$ 67.50
TGATC	TG Temporary Cylinder	\$ 20.00
TGHC04	TG/Gold Post Snap Cap 4mm	\$ 40.00
TGHC05	TG/Gold Post Snap Cap 5.5mm	\$ 40.00
TGHC07	TG/Gold Post Snap Cap 7mm	\$ 40.00
TGICA	TG Post/Gold Post Lab Analog	\$ 15.00
TGICH0	TG Post/Gold Post Impression Coping	\$ 20.00
TGP04	TG Post 4mm	\$ 90.00

## RESTORATIVE PRODUCTS BY CODE NUMBER

Catalog Number	Description	Price Each
TGP07	TG Post 7mm	\$ 90.00
TGP55	TG Post 5.5mm	\$ 90.00
TGPD1	TG/Gold Post Driver	\$ 95.00
THRC4	Implant Temporary Retention Cylinder - 2mm	\$ 36.00
THRC6	Implant Temporary Retention Cylinder - 4mm	\$ 36.00
TMP80	Tissue Measuring Post	\$ 87.50
TS250	Standard Abutment Healing Cap	\$ 15.00
UIPSC	Universal Impression Coping Pin	\$ 11.00
UNAH1	Plastic UCLA Hexed Abutment w/ Gold Hex Screw	\$ 56.00
UNAH125	Plastic UCLA Hexed Abutment w/ Gold Hex Screw-25 pack	\$1,050.00
UNAH2	Plastic UCLA Non-Hex Abutment w/ Gold Hex Screw	\$ 56.00
UNAH225	Plastic UCLA Non-Hex Abutment w/ Gold Hex Screw-25 pack	\$1,050.00
UNAS1	Plastic UCLA Hexed Abutment w/ Gold Square Screw	\$ 56.00
UNAS2	Plastic UCLA Non-Hex Abutment w/ Gold Square Screw	\$ 56.00
UNIHG	Implant Universal Hexed Gold Screw	\$ 45.00
UNIHT	Implant Universal Hexed Titanium Screw	\$ 30.00
UNISG	Implant Universal Square Gold Screw	\$ 45.00
UNISGP	Implant Universal Square Gold-Tite Screw	\$ 45.00
VIDS1	Video - Surgical Placement of 3i Implants	\$ 75.00
VIDS2	Video - Second Stage Surgery	\$ 75.00
VIDS5	Video - Immediate Implant Placement and Sinus Lift Procedure	\$ 75.00
WCA51	EP/Conical 5mm Abutment 1mm	\$ 122.00
WCA52	EP/Conical 5mm Abutment 2mm	\$ 122.00
WCA53	EP/Conical 5mm Abutment 3mm	\$ 122.00
WCA54	EP/Conical 5mm Abutment 4mm	\$ 122.00
WCA55	EP/Conical 5mm Abutment 5.5mm	\$ 122.00
WCA61	EP/Conical 6mm Abutment 1mm	\$ 122.00
WCA62	EP/Conical 6mm Abutment 2mm	\$ 122.00
WCA63	EP/Conical 6mm Abutment 3mm	\$ 122.00
WCA64	EP/Conical 6mm Abutment 4mm	\$ 122.00
WCA65	EP/Conical 6mm Abutment 5.5mm	\$ 122.00
WCLA6	6mm EP/Conical Lab Analog	\$ 25.00
WCP661	6mm EP/Conical Pick-up Impression Coping Non-Rotating 6mm	\$ 33.00
WCP662	6mm EP/Conical Pick-up Impression Coping 6mm	\$ 33.00
WCP671	6mm EP/Conical Pick-up Impression Coping Non-Rotating 6-7.5mm	\$ 33.00
WCP672	6mm EP/Conical Pick-up Impression Coping 6-7.5mm	\$ 33.00
WCS66	6mm EP/Conical Healing Cap 6mm	\$ 17.50
WCS67	6mm EP/Conical Healing Cap 6-7.5mm	\$ 17.50
WCT661	6mm EP/Conical Transfer Impression Coping Non-Rotating 6mm	\$ 33.00
WCT662	6mm EP/Conical Transfer Impression Coping 6mm	\$ 33.00
WCT671	6mm EP/Conical Transfer Impression Coping Non-Rotating 6-7.5mm	\$ 33.00
WCT672	6mm EP/Conical Transfer Impression Coping 6-7.5mm	\$ 33.00
WCTC60	6mm EP/Conical Non-Rotating Temporary Cylinder	\$ 27.00
WCTC61	6mm EP/Conical Temporary Cylinder	\$ 22.00
WCTC670	6mm EP/Conical Non-Rotating Temporary Cylinder 6-7.5mm	\$ 27.00
WCTC671	6mm EP/Conical Temporary Cylinder 6-7.5mm	\$ 22.00
WGA51	Gold UCLA Hexed 5mm Abutment w/ Gold Hex Screw	\$ 132.00
WGA52	Gold UCLA Non-Hex 5mm Abutment w/ Gold Hex Screw	\$ 132.00
WGA61	Gold UCLA Hexed 6mm Abutment w/ Gold Hex Screw	\$ 132.00
WGA62	Gold UCLA Non-Hex 6 mm Abutment w/ Gold Hex Screw	\$ 132.00
WIP55	5mm Implant Pick-up Impression Coping 5mm	\$ 39.00
WIP56	5mm Implant Pick-up Impression Coping 5-6mm	\$ 39.00
WIP57	5mm Implant Pick-up Impression Coping 5-7.5mm	\$ 39.00
WIP66	6mm Implant Pick-up Impression Coping 6mm	\$ 39.00

## RESTORATIVE PRODUCTS BY CODE NUMBER

Catalog Number	Description	Price Each
WIP67	6mm Implant Pick-up Impression Coping 6-7.5mm	\$ 39.00
WIT55	5mm Implant Transfer Impression Copings 5mm	\$ 39.00
WIT56	5mm Implant Transfer Impression Copings 5-6mm	\$ 39.00
WIT57	5mm Implant Transfer Impression Copings 5-7.5mm	\$ 39.00
WIT66	6mm Implant Transfer Impression Copings 6mm	\$ 39.00
WIT67	6mm Implant Transfer Impression Copings 6-7.5mm	\$ 39.00
WPP50	5mm Implant Polishing Protector	\$ 12.00
WPP552	Two-Piece Abutment Post - 5mm x 2mm	\$ 123.00
WPP554	Two-Piece Abutment Post - 5mm x 4mm	\$ 123.00
WPP562	Two-Piece Abutment Post 5-6mm x 2mm	\$ 123.00
WPP564	Two-Piece Abutment Post 5-6mm x 4mm	\$ 123.00
WPP572	Two-Piece Abutment Post 5-7.5mm x 2mm	\$ 123.00
WPP574	Two-Piece Abutment Post 5-7.5mm x 4mm	\$ 123.00
WPP60	6mm Implant Polishing Protector	\$ 12.00
WPP662	Two-Piece Abutment Post 6mm x 2mm	\$ 123.00
WPP664	Two-Piece Abutment Post 6mm x 4mm	\$ 123.00
WPP672	Two-Piece Abutment Post 6-7.5mm x 2mm	\$ 123.00
WPP674	Two-Piece Abutment Post 6-7.5mm x 4mm	\$ 123.00
WSK10	Abutment Waxing Screw/Guide Pin - 10mm	\$ 7.50
WSK15	Abutment Waxing Screw/Guide Pin - 15mm	\$ 7.50
WSK30	Implant Waxing Screw/Guide Pin - 15mm	\$ 10.00
WTC51	5mm Implant Temporary Cylinder Hexed	\$ 50.00
WTC52	5mm Implant Temporary Cylinder Non-Hexed	\$ 50.00
WTC61	6mm Implant Temporary Cylinder Hexed	\$ 50.00
WTC62	6mm Implant Temporary Cylinder Non-Hexed	\$ 50.00

Rev 2498-1



**Copy and fax completed form to 3i Customer Service at 800-441-7211.**

**Patient Name:** \_\_\_\_\_

**Present Customer:** ☐ Yes ☐ No

Name			Account Number	Date Order Placed
Street Address/Suite #			Order Placed By	P.O. Number
City	State	Zip Code	Phone (Include Area Code)	Fax (Include Area Code)

**Payment Method**

Name

☐ Credit Card (please circle card)  
 Visa Mastercard American Express

Street Address/Suite #

Card No. \_\_\_\_\_

Exp. Date \_\_\_\_\_

City

State

Zip Code

☐ COD☐ Bill Net 30

## Shipping Method (check one)

☐ Economy

☐ Priority Overnight☐ Standard Overnight☐ Saturday Delivery[illegible]

Thank you for your patronage. For further assistance, call **3i** Customer Service at 800-342-5454.

# Ordering Information

## To place an order:

Contact your local **3i** representative or call:

**3i** Customer Service  
Monday-Friday  
8am - 8pm (EST)  
5am - 5pm (PST)  
800-342-5454  
561-776-1272 Fax  
In Canada: 800-363-1980  
Outside US: 561-776-6700

## Warranty:

Implant Innovations, Inc. makes no other warranty, expressed or implied, except that its products shall be free from defects in material and/or workmanship and shall be of merchantable quality. This warranty applies only to the original purchaser. In the event of a defect, please notify **3i** of the defect prior to returning the instrument. **3i** will, at its option, either repair, replace, or issue credit for such defective product.

Purchaser assumes all risks and liabilities resulting from the use of these products, whether used separately or in combination with other products not manufactured by **3i**.

**3i** strongly recommends completion of formal post-graduate implant education and strict adherence to the procedures described in the **3i** implant instruction manuals.

**3i** continually strives to improve its products and therefore reserves the right to improve, modify or discontinue products at any time, or change specifications without notice and without incurring obligations.

## Caution:

Federal (U.S.) Law restricts these devices to sale by or on the order of a licensed dentist.

Devices labeled "STERILE" are certified unless package is opened or damaged.

## Returned Goods Policy:

Customers may return unopened **3i** products only upon prior authorization from the **3i** Customer Service Department. Return product freight prepaid with accompanying authorization number to:

Returns Department  
**3i** Implant Innovations, Inc.  
4555 Riverside Drive  
Palm Beach Gardens, FL 33410

A 15% restocking charge will be assessed to all items accepted for return after 60 days.

Accepted returns will be credited to the customer's open account.

No returns accepted after 90 days.

## Export Orders:

Requires advance payment or letter of credit.

Shipments are made either freight collect or paid by **3i** and added to invoice. Unless special instructions are received with the order, the shipping method will be determined by **3i**, F.O.B. Palm Beach Gardens, FL.

## Trademarks:

"**3i**", "Implant Innovations", "EP", "Miniplant", "OSSEOTITE", "OsseoFix", "ICE", and "Implarette" are registered trademarks of Implant Innovations, Inc. "Gold Standard ZR", "GingiSCULPT", "Gold Tite", "No Touch", "Snap-Cap", "Gold Post", "MicroMiniplant", "STA" and "TG OSSEOTITE" are trademarks of Implant Innovations, Inc. "GORE-TEX", "GORE®", "GORE RESOLUT XT" and designs are trademarks of W.L. Gore & Associates, Inc.

## Patent Notice:

"Asyst" system is covered by U.S. Patent Nos. 5,332,443; 5,437,550 and 5,462,436. "EP" system is covered by U.S. Patent Nos. 5,338,196; 5,476,383 and 5,674,071. "G-Floss" is covered by U.S. Patent No. 5,320,117. "OSSEOTITE" implants are covered by U.S. Patent No. 5,603,338. "ICE" Super Self-Tapping Implants- Patent Pending. "Implarette" is covered by U.S. Patent No. 5,244,390. "Miniplant" is covered by U.S. Patent Nos. 5,000,686 and 5,022,860. "No Touch" system is covered by U.S. Patent No. 5,582,299. "Stabilized Casting Core" is covered by U.S. Patent No. 5,702,252. "Temporary Dental Coping" is covered by U.S. Patent Nos. 5,006,069 and 5,040,983. "Transfer Coping with Index" is covered by U.S. Patent No. 5,811,811. "TwistLock" products are covered by U.S. Patent No. 5,657,715. "Tide Implants" are covered by U.S. Patent Nos. 5,695,336 and 5,702,346. Other patents pending.



4555 Riverside Drive  
Palm Beach Gardens, FL 33410

To place an order,  
contact your local **3i**  
representative or call:

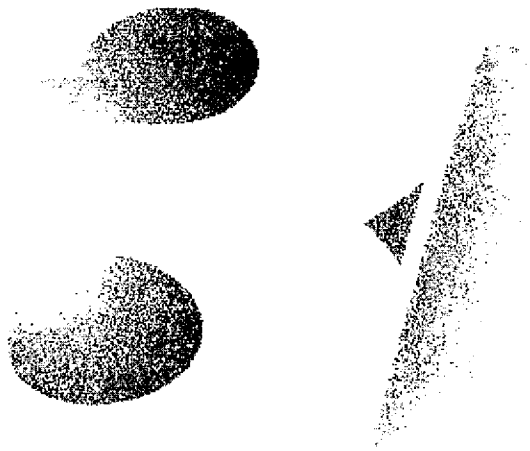
**3i** Customer Service  
Monday-Friday 8am-8pm (EST)  
800-342-5454  
561-776-1272 Fax  
In Canada: 800-363-1980  
Outside U.S.: 561-776-6700





# ***3i Price List***

Effective August 2000



**Product Listing**

# Ordering Information

## To Place an Order:

Contact your local *3i* representative or call:

*3i* Customer Service

Monday-Thursday 8am - 8pm (EST) 5am - 5pm (PST)

Friday 8am - 6:30pm

800-342-5454 Fax 561-776-1272

In Canada: 800-363-1980 Outside US: 561-776-6700

## Terms and Conditions of Sale

The following are the terms and conditions under which Implant Innovations, Inc. ("*3i*") sells its products in the United State of America.

**GOVERNING TERMS** Any shipment of products shall be deemed to be on the terms and conditions stated herein. Any and all terms and conditions submitted by Purchaser are hereby rejected.

**TAXES** The prices set forth herein do not include any sales, use, excise, ad valorem, property or other taxes applicable to the sale, use or delivery of the products, all of which shall be paid by Purchaser separately or added to the contract price and paid by Purchaser to *3i*.

**PRICES** The prices set forth for the products are in United States Dollars.

**DELIVERY** Products sold hereunder shall be delivered F.O.B. manufacturer's plant or distributor's plant, as applicable. Purchaser shall assume responsibility for all subsequent delivery or shipping charges.

**PAYMENT** Payment terms shall be as set forth under the "Terms" section on front of invoice.

**WARRANTY** Except as expressly set forth in the "*3i* Five Year Warranty Program," *3i* makes no warranty, express or implied, except that its products shall be free from defects in material and/or workmanship. This warranty applies only to the original Purchaser. In the event of a product defect, immediately notify *3i* of the defect prior to returning the product. Devices shall be sterilized prior to return. As its sole obligation under this warranty, *3i* will, at its option, either repair, replace or issue credit for such products. Purchaser assumes all risks and liability resulting from the use of these products, whether used separately or in combination with other products.

**EDUCATION; MODIFICATION OF PRODUCTS** *3i* strongly recommends completion of formal post graduate implant education and strict adherence to the procedures described in *3i*'s implant instruction manuals. *3i* continually strives to improve its products and therefore reserves the right to improve, modify or discontinue products at any time, or to change specifications of the products without notice and without incurring any obligation.

**RETURN POLICY** Customers may return any *3i* product within 90 days of the invoice date. *3i* products returned within 60 days of the invoice date will be accepted without any restocking fee to the customer. *3i* products returned between 61 and 90 days of the invoice date will be subject to a 15% restocking fee. A *3i* product will be accepted for return only if the *3i* product is (1) returned in its original, unopened package; (2) received by *3i* within 90 days after the invoice date for that product; and (3) returned freight prepaid to 4555 Riverside Drive, Palm Beach Gardens, Florida 33410, (Attention: Returns Department) accompanied by the *3i* return authorization number provided by *3i*'s Customer Service Department. Customers should be advised that *3i* products not meeting the above criteria will not be accepted for return.

**EXCHANGE POLICY** *3i* products may be exchanged within 180 days of the invoice date, without a re-stocking fee, for other *3i* products of equal or lesser value. *3i* products may be exchanged within 180 days of the invoice date for other *3i* products of greater value, with the price differential paid by the customer. Providing the exchanged *3i* product is (1) returned in its original, unopened package; (2) not a discontinued product; and (3) returned freight prepaid to 4555 Riverside Drive, Palm Beach Gardens, Florida 33410, (Attention: Returns Department) accompanied by the *3i* return authorization number provided by *3i*'s Customer Service Department

**LICENSES, PERMITS AND EXPORT CONTROL** The timely securing of permits, licenses and other local, state or federal governmental approvals required in connection with Purchaser's use of any products hereunder shall be the sole responsibility of Purchaser and Purchaser shall bear the cost thereof. Unless otherwise agreed between *3i* and Purchaser, products sold hereunder are only for use in the United States. Purchaser agrees that Purchaser will comply fully with all applicable state and federal laws and regulations and Purchaser shall indemnify *3i* for all losses, damages and penalties incurred as a result of any violation of applicable state or federal law or regulations.

**FORCE MAJEURE** *3i* shall not be liable for any loss or damage due to failure or delay arising out of any cause beyond the control of *3i*. In the event of any failure or delay resulting from such causes, an equitable adjustment of delivery and any other appropriate terms and conditions shall be made. No such failure or delay shall be the basis for an increase in *3i*'s obligations nor any termination by Purchaser.

**LIMITATION OF LIABILITY** EXCEPT FOR THE WARRANTY EXPRESSLY DESCRIBED IN "WARRANTY" ABOVE, NEITHER *3i* NOR ANY OF ITS AFFILIATES MAKES ANY OTHER WARRANTY WITH RESPECT TO THE *3i* PRODUCTS, EXPRESSED OR IMPLIED, WRITTEN OR ORAL, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY, OR A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. *3i* SHALL NOT BE LIABLE FOR BUSINESS INTERRUPTION, LOSS OF PROFITS, SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE AND FROM ANY CAUSE WHETHER BASED IN CONTRACT, TORT (INCLUDING NEGLIGENCE) OR OTHER LEGAL THEORY, EVEN IF *3i* HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

**VALIDITY** If any provision of these Terms and Conditions is found to be illegal or unenforceable in any respect, such illegality or unenforceability shall not affect any other provision of these Terms and Conditions, all of which shall remain enforceable in accordance with their terms.

**GENERAL PROVISIONS** The purchase of the products and these Terms and Conditions are governed by the laws of Florida, without regard to conflicts of law principles. This document incorporates all oral and written representations between the parties and constitutes the entire agreement and understanding of the parties with respect to the subject matter hereof and supersedes any and all other agreements either oral or written between the parties with respect to such subject matter. No amendment or modification may be made to this document unless in writing and duly executed by an authorized representative of *3i*.

## Caution:

Federal (U.S.) Law restricts these devices to sale by or on the order of a Licensed HealthCare Practitioner. Devices labeled "STERILE" are certified to be sterile unless sterile package is opened or damaged.

## Export Orders:

Require advance payment or letter of credit. Shipments are made either freight collect or paid by *3i* and added to invoice. Unless special instructions are received with the order, the shipping method will be determined by *3i*, F.O.B. Palm Beach Gardens, FL.

## Trademarks:

*3i* Registered Trademarks\*: *3i*, IMPLANT INNOVATIONS, ASYST, EP, MINIPLANT, BIOTACK, E/P, OSSEOTITE, OSSEOFIX, ICE, and IMPLARETTE are registered trademarks of Implant Innovations, Inc.

*3i* Trademarks\*: BIOGRAN® GOLD STANDARD ZR, GOLD-TITE, NO TOUCH, PREP-TITE, SNAP-CAP, GOLD POST, MICROMINIPLANT, SLA, STA, OSSEOTITE XP, and TG OSSEOTITE are trademarks of IMPLANT INNOVATIONS, INC.

## Patent Notice:

"Angled Abutments" products are licensed under one or more U.S. Patent Nos. 5,000,685; 5,069,622; and 5,087,200. "Asyst" system is covered by U.S. Patent Nos. 5,332,443; 5,437,550; 5,462,436; and 5,692,904. "Bone Profiler" products are covered by U.S. Patent No. 5,868,572. "Conical Abutment" products are covered by U.S. Patent No. 4,850,870. "EP" system is covered by U.S. Patent Nos. 5,338,196; 5,476,383; 5,674,071; and 5,873,722. "Gold Post" products are covered by U.S. Patent No. 5,829,977. "Gold Standard" products are covered by U.S. Patent No. 5,723,375. "Gold Tite" products are covered by U.S. Patent No. 5,879,161. "Osseotite" implants are covered by U.S. Patent No. 5,603,338; 5,876,453; and 5,863,201. "ICE" implants are covered by U.S. Patent No. 5,727,943. "Implarette" products are covered by U.S. Patent No. 5,244,390. "No Touch" system is covered by U.S. Patent No. 5,582,299. "Precision Abutment Base" is covered by U.S. Patent No. 4,988,298. "Stabilized Casting Core" products are covered by U.S. Patent No. 5,702,252. "Tapered Driver" products are covered by U.S. Patent No. 5,105,690. "Temporary Dental Coping" products are covered by U.S. Patent Nos. 5,006,069 and 5,040,983. "Transfer Coping with Index" product is covered by U.S. Patent No. 4,955,811. "TwistLock" products are covered by U.S. Patent No. 5,865,715. "Wide Implant" products are covered by U.S. Patent No. 5,902,109. Other patents pending.

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# Surgical Products

## **Products Listed By Description**

## SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>MicroMiniplants &amp; Cover Screws</b>		
MicroMiniplant™ - 3.25 x 8.5mm OSSEOTITE®	OSM385	\$240.00
MicroMiniplant - 3.25 x 10mm OSSEOTITE	OSM310	\$240.00
MicroMiniplant - 3.25 x 11.5mm OSSEOTITE	OSM311	\$240.00
MicroMiniplant - 3.25 x 13mm OSSEOTITE	OSM313	\$240.00
MicroMiniplant - 3.25 x 15mm OSSEOTITE	OSM315	\$240.00
MicroMiniplant - 3.25 x 18mm OSSEOTITE	OSM318	\$240.00
MicroMiniplant - 3.25 x 8.5mm ICE Super Self-Tapping	MM385	\$215.00
MicroMiniplant - 3.25 x 10mm ICE Super Self-Tapping	MM310	\$215.00
MicroMiniplant - 3.25 x 11.5mm ICE Super Self-Tapping	MM311	\$215.00
MicroMiniplant - 3.25 x 13mm ICE Super Self-Tapping	MM313	\$215.00
MicroMiniplant - 3.25 x 15mm ICE Super Self-Tapping	MM315	\$215.00
MicroMiniplant - 3.25 x 18mm ICE Super Self-Tapping	MM318	\$215.00
MicroMiniplant - 3.3 x 8.5mm Cylinder	TM385	\$215.00
MicroMiniplant - 3.3 x 10mm Cylinder	TM310	\$215.00
MicroMiniplant - 3.3 x 13mm Cylinder	TM313	\$215.00
MicroMiniplant - 3.3 x 15mm Cylinder	TM315	\$215.00
MicroMiniplant Cover Screw	MMCS1	\$32.00
Headless Cover Screw	CS275	\$36.00
MicroMiniplant Mount - 3mm	MMC03	\$98.00
MicroMiniplant Mount - 15mm	MMC15	\$98.00

<b>Miniplants &amp; Cover Screws</b>		
3/4 Osseotite XP™ Miniplant® - 3.25 x 8.5mm	OS3285	\$240.00
3/4 Osseotite XP Miniplant - 3.25 x 10mm	OS3210	\$240.00
3/4 Osseotite XP Miniplant - 3.25 x 11.5mm	OS3211	\$240.00
3/4 Osseotite XP Miniplant - 3.25 x 13mm	OS3213	\$240.00
3/4 Osseotite XP Miniplant - 3.25 x 15mm	OS3215	\$240.00
3/4 Osseotite XP Miniplant - 3.25 x 18mm	OS3218	\$240.00
Miniplant - 3.25 x 8.5mm ICE Super Self-Tapping	MH385	\$215.00
Miniplant - 3.25 x 10mm ICE Super Self-Tapping	MH310	\$215.00
Miniplant - 3.25 x 11.5mm ICE Super Self-Tapping	MH311	\$215.00
Miniplant - 3.25 x 13mm ICE Super Self-Tapping	MH313	\$215.00
Miniplant - 3.25 x 15mm ICE Super Self-Tapping	MH315	\$215.00
Miniplant - 3.3 x 8.5mm Cylinder	TH385	\$215.00
Miniplant - 3.3 x 10mm Cylinder	TH310	\$215.00
Miniplant - 3.3 x 13mm Cylinder	TH313	\$215.00
Miniplant - 3.3 x 15mm Cylinder	TH315	\$215.00
Implant Cover Screw	CS375	\$48.00
Headless Cover Screw	CS275	\$36.00

<b>Standard Diameter 3.75/4.0mm Implants &amp; Cover Screws</b>		
Standard Diameter Implant - 3.75 x 8.5mm OSSEOTITE	OSS385	\$240.00
Standard Diameter Implant - 3.75 x 10mm OSSEOTITE	OSS310	\$240.00
Standard Diameter Implant - 3.75 x 11.5mm OSSEOTITE	OSS311	\$240.00
Standard Diameter Implant - 3.75 x 13mm OSSEOTITE	OSS313	\$240.00
Standard Diameter Implant - 3.75 x 15mm OSSEOTITE	OSS315	\$240.00

## SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Standard Diameter Implants - 3.75 x 8.5mm to 4.0 x 20mm OSSEOTITE</b>		
Standard Diameter Implant - 3.75 x 18mm OSSEOTITE®	OSS318	\$240.00
Standard Diameter Implant - 3.75 x 20mm OSSEOTITE	OSS320	\$240.00
Standard Diameter Implant - 4.0 x 8.5mm OSSEOTITE	OSS485	\$240.00
Standard Diameter Implant - 4.0 x 10mm OSSEOTITE	OSS410	\$240.00
Standard Diameter Implant - 4.0 x 11.5mm OSSEOTITE	OSS411	\$240.00
Standard Diameter Implant - 4.0 x 13mm OSSEOTITE	OSS413	\$240.00
Standard Diameter Implant - 4.0 x 15mm OSSEOTITE	OSS415	\$240.00
Standard Diameter Implant - 4.0 x 18mm OSSEOTITE	OSS418	\$240.00
Standard Diameter Implant - 4.0 x 20mm OSSEOTITE	OSS420	\$240.00
Implant Cover Screw	CS375	\$48.00
Headless Cover Screw	CS275	\$36.00

<b>Standard Diameter Implants - 3.75 x 8.5mm to 4.0 x 15mm ICE® Super Self-Tapping</b>		
Standard Diameter Implant - 3.75 x 8.5mm ICE® Super Self-Tapping	ICE385	\$215.00
Standard Diameter Implant - 3.75 x 10mm ICE Super Self-Tapping	ICE310	\$215.00
Standard Diameter Implant - 3.75 x 11.5mm ICE Super Self-Tapping	ICE311	\$215.00
Standard Diameter Implant - 3.75 x 13mm ICE Super Self-Tapping	ICE313	\$215.00
Standard Diameter Implant - 3.75 x 15mm ICE Super Self-Tapping	ICE315	\$215.00
Standard Diameter Implant - 3.75 x 18mm ICE Super Self-Tapping	ICE318	\$215.00
Standard Diameter Implant - 3.75 x 20mm ICE Super Self-Tapping	ICE320	\$215.00
Standard Diameter Implant - 4.0 x 8.5mm ICE Super Self-Tapping	ICE485	\$215.00
Standard Diameter Implant - 4.0 x 10mm ICE Super Self-Tapping	ICE410	\$215.00
Standard Diameter Implant - 4.0 x 11.5mm ICE Super Self-Tapping	ICE411	\$215.00
Standard Diameter Implant - 4.0 x 13mm ICE Super Self-Tapping	ICE413	\$215.00
Standard Diameter Implant - 4.0 x 15mm ICE Super Self-Tapping	ICE415	\$215.00
Standard Diameter Implant - 4.0 x 18mm ICE Super Self-Tapping	ICE418	\$215.00
Standard Diameter Implant - 4.0 x 20mm ICE Super Self-Tapping	ICE420	\$215.00
Standard Diameter Implant - 3.75 x 8.5mm ST Self-Tapping Threaded	ST385	\$185.00
Standard Diameter Implant - 3.75 x 10mm ST Self-Tapping Threaded	ST310	\$185.00
Standard Diameter Implant - 3.75 x 11.5mm ST Self-Tapping Threaded	ST311	\$185.00
Standard Diameter Implant - 3.75 x 13mm ST Self-Tapping Threaded	ST313	\$185.00
Standard Diameter Implant - 3.75 x 15mm ST Self-Tapping Threaded	ST315	\$185.00
Standard Diameter Implant - 3.75 x 18mm ST Self-Tapping Threaded	ST318	\$185.00
Standard Diameter Implant - 3.75 x 20mm ST Self-Tapping Threaded	ST320	\$185.00
Standard Diameter Implant - 4.0 x 8.5mm ST Self-Tapping Threaded	ST485	\$185.00
Standard Diameter Implant - 4.0 x 10mm ST Self-Tapping Threaded	ST410	\$185.00
Standard Diameter Implant - 4.0 x 11.5mm ST Self-Tapping Threaded	ST411	\$185.00
Standard Diameter Implant - 4.0 x 13mm ST Self-Tapping Threaded	ST413	\$185.00
Standard Diameter Implant - 4.0 x 15mm ST Self-Tapping Threaded	ST415	\$185.00
Standard Diameter Implant - 4.0 x 18mm ST Self-Tapping Threaded	ST418	\$185.00
Standard Diameter Implant - 4.0 x 20mm ST Self-Tapping Threaded	ST420	\$185.00
Standard Diameter Implant - 4.0 x 7mm Cylinder	TP407	\$215.00
Standard Diameter Implant - 4.0 x 8.5mm Cylinder	TP485	\$215.00
Standard Diameter Implant - 4.0 x 10mm Cylinder	TP410	\$215.00
Standard Diameter Implant - 4.0 x 13mm Cylinder	TP413	\$215.00
Standard Diameter Implant - 4.0 x 15mm Cylinder	TP415	\$215.00

## SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
Standard Diameter Implant - 4.0 x 18mm Cylinder	TP418	\$215.00
Implant Cover Screw	CS375	\$48.00
Headless Cover Screw	CS275	\$36.00
4/5 Osseotite XP™ Implant - 4mm Body/5mm Top x 8.5mm Long	OS4585	\$255.00
4/5 Osseotite XP Implant - 4mm Body/5mm Top x 10mm Long	OS4510	\$255.00
4/5 Osseotite XP Implant - 4mm Body/5mm Top x 11.5mm Long	OS4511	\$255.00
4/5 Osseotite XP Implant - 4mm Body/5mm Top x 13mm Long	OS4513	\$255.00
4/5 Osseotite XP Implant - 4mm Body/5mm Top x 15mm Long	OS4515	\$255.00
5/6 Osseotite XP Implant - 5mm Body/6mm Top x 8.5mm Long	OS5685	\$255.00
5/6 Osseotite XP Implant - 5mm Body/6mm Top x 10mm Long	OS5610	\$255.00
5/6 Osseotite XP Implant - 5mm Body/6mm Top x 11.5mm Long	OS5611	\$255.00
5/6 Osseotite XP Implant - 5mm Body/6mm Top x 13mm Long	OS5613	\$255.00
5/6 Osseotite XP Implant - 5mm Body/6mm Top x 15mm Long	OS5615	\$255.00
Implant Cover Screw for 5.0mm Top	CS500	\$48.00
Implant Cover Screw for 6.0mm Top	CS600	\$48.00
Headless Cover Screw	CS275	\$36.00
Wide Diameter Implant - 5.0 x 7mm OSSEOTITE®	OSS507	\$255.00
Wide Diameter Implant - 5.0 x 8.5mm OSSEOTITE	OSS585	\$255.00
Wide Diameter Implant - 5.0 x 10mm OSSEOTITE	OSS510	\$255.00
Wide Diameter Implant - 5.0 x 11.5mm OSSEOTITE	OSS511	\$255.00
Wide Diameter Implant - 5.0 x 13mm OSSEOTITE	OSS513	\$255.00
Wide Diameter Implant - 5.0 x 15mm OSSEOTITE	OSS515	\$255.00
Wide Diameter Implant - 5.0 x 18mm OSSEOTITE	OSS518	\$255.00
Wide Diameter Implant - 5.0 x 7mm ICE Super Self-Tapping	ICE507	\$240.00
Wide Diameter Implant - 5.0 x 8.5mm ICE Super Self-Tapping	ICE585	\$240.00
Wide Diameter Implant - 5.0 x 10mm ICE Super Self-Tapping	ICE510	\$240.00
Wide Diameter Implant - 5.0 x 11.5mm ICE Super Self-Tapping	ICE511	\$240.00
Wide Diameter Implant - 5.0 x 13mm ICE Super Self-Tapping	ICE513	\$240.00
Wide Diameter Implant - 5.0 x 15mm ICE Super Self-Tapping	ICE515	\$240.00
Wide Diameter Implant - 5.0 x 18mm ICE Super Self-Tapping	ICE518	\$240.00
Wide Diameter Implant - 5.0 x 7mm Cylinder	TP507	\$250.00
Wide Diameter Implant - 5.0 x 8.5mm Cylinder	TP585	\$250.00
Wide Diameter Implant - 5.0 x 10mm Cylinder	TP510	\$250.00
Wide Diameter Implant - 5.0 x 13mm Cylinder	TP513	\$250.00
Implant Cover Screw for 5.0mm Top	CS500	\$48.00
Headless Cover Screw	CS275	\$36.00
Wide Diameter 6.0mm x 7mm OSSEOTITE	OSS607	\$255.00
Wide Diameter 6.0mm x 8.5mm OSSEOTITE	OSS685	\$255.00
Wide Diameter 6.0mm x 10mm OSSEOTITE	OSS610	\$255.00
Wide Diameter 6.0mm x 11.5mm OSSEOTITE	OSS611	\$255.00

# SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Wide Diameter 6.0mm Implants &amp; Cover Screws (Continued)</b>		
Wide Diameter 6.0mm x 13mm OSSEOTITE	OSS613	\$255.00
Wide Diameter 6.0mm x 15mm OSSEOTITE	OSS615	\$255.00
Wide Diameter 6.0mm x 18mm OSSEOTITE	OSS618	\$255.00
Wide Diameter 6.0mm x 7mm ICE Super Self-Tapping	ICE607	\$240.00
Wide Diameter 6.0mm x 8.5mm ICE Super Self-Tapping	ICE685	\$240.00
Wide Diameter 6.0mm x 10mm ICE Super Self-Tapping	ICE610	\$240.00
Wide Diameter 6.0mm x 11.5mm ICE Super Self-Tapping	ICE611	\$240.00
Wide Diameter 6.0mm x 13mm ICE Super Self-Tapping	ICE613	\$240.00
Wide Diameter 6.0mm x 15mm ICE Super Self-Tapping	ICE615	\$240.00
Wide Diameter 6.0mm x 18mm ICE Super Self-Tapping	ICE618	\$240.00
Wide Diameter 6.0mm x 7mm Cylinder	TP607	\$250.00
Wide Diameter 6.0mm x 8.5mm Cylinder	TP685	\$250.00
Wide Diameter 6.0mm x 10mm Cylinder	TP610	\$250.00
Wide Diameter 6.0mm x 13mm Cylinder	TP613	\$250.00
Implant Cover Screw for 6.0mm Top	CS600	\$48.00
Headless Cover Screw	CS275	\$36.00

<b>TG Osseotite Implants &amp; Cover Screws</b>		
TG Osseotite™ 3.25mm x 8.5mm - 1.8 collar height	TG2385	\$235.00
TG Osseotite 3.25mm x 10mm - 1.8 collar height	TG2310	\$235.00
TG Osseotite 3.25mm x 11.5mm - 1.8 collar height	TG2311	\$235.00
TG Osseotite 3.25mm x 13mm - 1.8 collar height	TG2313	\$235.00
TG Osseotite 3.25mm x 15mm - 1.8 collar height	TG2315	\$235.00
TG Osseotite 3.25mm x 8.5mm - 2.8 collar height	TG3385	\$235.00
TG Osseotite 3.25mm x 10mm - 2.8 collar height	TG3310	\$235.00
TG Osseotite 3.25mm x 11.5mm - 2.8 collar height	TG3311	\$235.00
TG Osseotite 3.25mm x 13mm - 2.8 collar height	TG3313	\$235.00
TG Osseotite 3.25mm x 15mm - 2.8 collar height	TG3315	\$235.00
TG Osseotite 4mm x 8.5mm - 1.8 collar height	TG2485	\$235.00
TG Osseotite 4mm x 10mm - 1.8 collar height	TG2410	\$235.00
TG Osseotite 4mm x 11.5mm - 1.8 collar height	TG2411	\$235.00
TG Osseotite 4mm x 13mm - 1.8 collar height	TG2413	\$235.00
TG Osseotite 4mm x 15mm - 1.8 collar height	TG2415	\$235.00
TG Osseotite 4mm x 8.5mm - 2.8 collar height	TG3485	\$235.00
TG Osseotite 4mm x 10mm - 2.8 collar height	TG3410	\$235.00
TG Osseotite 4mm x 11.5mm - 2.8 collar height	TG3411	\$235.00
TG Osseotite 4mm x 13mm - 2.8 collar height	TG3413	\$235.00
TG Osseotite 4mm x 15mm - 2.8 collar height	TG3415	\$235.00
TG Osseotite 5mm x 8.5mm - 1.8 collar height	TG2585	\$250.00
TG Osseotite 5mm x 10mm - 1.8 collar height	TG2510	\$250.00
TG Osseotite 5mm x 11.5mm - 1.8 collar height	TG2511	\$250.00
TG Osseotite 5mm x 13mm - 1.8 collar height	TG2513	\$250.00
TG Osseotite 5mm x 15mm - 1.8 collar height	TG2515	\$250.00
TG Osseotite 5mm x 8.5mm - 2.8 collar height	TG3585	\$250.00
TG Osseotite 5mm x 10mm - 2.8 collar height	TG3510	\$250.00
TG Osseotite 5mm x 11.5mm - 2.8 collar height	TG3511	\$250.00



## SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>TG Osseotite Implants &amp; Cover Screws (Continued)</b>		
TG Osseotite 5mm x 13mm - 2.8 collar height	TG3513	\$250.00
TG Osseotite 5mm x 15mm - 2.8 collar height	TG3515	\$250.00
TG Cover Screw - 0.5mm	TGCS05	\$20.00
TG Cover Screw - 1mm	TGCS10	\$25.00
TG Cover Screw - 2mm	TGCS20	\$40.00
TG Cover Screw - 3mm	TGCS30	\$40.00
TG Cover Screw - 4mm	TGCS40	\$40.00
TG Cover Screw - 5mm	TGCS50	\$40.00

<b>Healing Abutments</b>		
MicroMiniplant™ 3.8 x 2mm EP® One-Piece Healing Abutment	MHA32	\$35.00
MicroMiniplant 3.8 x 4mm EP One-Piece Healing Abutment	MHA34	\$35.00
MicroMiniplant 3.8 x 6mm EP One-Piece Healing Abutment	MHA36	\$37.00
MicroMiniplant 3.8 x 4mm EP Two-Piece Healing Abutment	MT234	\$40.00
MicroMiniplant 3.8 x 6mm EP Two-Piece Healing Abutment	MT236	\$40.00
MicroMiniplant 5.0 x 4mm EP Two-Piece Healing Abutment	MT254	\$40.00
MicroMiniplant 5.0 x 6mm EP Two-Piece Healing Abutment	MT256	\$40.00
Miniplant®/Standard Diameter 5.0 x 2mm EP One-Piece Healing Abutment	THA52	\$30.00
Miniplant/Standard Diameter 5.0 x 4mm EP One-Piece Healing Abutment	THA54	\$30.00
Miniplant/Standard Diameter 5.0 x 6mm EP One-Piece Healing Abutment	THA56	\$30.00
Miniplant/Standard Diameter 5.0 x 8mm EP One-Piece Healing Abutment	THA58	\$30.00
Miniplant/Standard Diameter 6.0 x 4mm EP One-Piece Healing Abutment	THA64	\$38.00
Miniplant/Standard Diameter 6.0 x 6mm EP One-Piece Healing Abutment	THA66	\$38.00
Miniplant/Standard Diameter 6.0 x 8mm EP One-Piece Healing Abutment	THA68	\$38.00
Miniplant/Standard Diameter 7.5 x 4mm EP One-Piece Healing Abutment	THA74	\$38.00
Miniplant/Standard Diameter 7.5 x 6mm EP One-Piece Healing Abutment	THA76	\$38.00
Miniplant/Standard Diameter 7.5 x 8mm EP One-Piece Healing Abutment	THA78	\$38.00
Miniplant/Standard Diameter 5.0 x 4mm EP Two-Piece Healing Abutment	TH254	\$36.00
Miniplant/Standard Diameter 5.0 x 6mm EP Two-Piece Healing Abutment	TH256	\$36.00
Miniplant/Standard Diameter 5.0 x 8mm EP Two-Piece Healing Abutment	TH258	\$36.00
Miniplant/Standard Diameter 6.0 x 4mm EP Two-Piece Healing Abutment	TH264	\$44.00
Miniplant/Standard Diameter 6.0 x 6mm EP Two-Piece Healing Abutment	TH266	\$44.00
Miniplant/Standard Diameter 6.0 x 8mm EP Two-Piece Healing Abutment	TH268	\$44.00
Miniplant/Standard Diameter 7.5 x 4mm EP Two-Piece Healing Abutment	TH274	\$44.00
Miniplant/Standard Diameter 7.5 x 6mm EP Two-Piece Healing Abutment	TH276	\$44.00
Miniplant/Standard Diameter 7.5 x 8mm EP Two-Piece Healing Abutment	TH278	\$44.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 2mm	WTH52	\$43.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 4mm	WTH54	\$43.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 6mm	WTH56	\$43.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 8mm	WTH58	\$43.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 6.0 x 2mm	WTH562	\$43.00
Wide Diameter 5.0mm EP® One-Piece Healing Abutment 6.0 x 4mm	WTH564	\$43.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 6.0 x 6mm	WTH566	\$43.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 6.0 x 8mm	WTH568	\$43.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 2mm	WTH572	\$43.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 4mm	WTH574	\$43.00

## SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 6mm	WTH576	\$43.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 8mm	WTH578	\$43.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 5.0 x 4mm	WT2554	\$49.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 5.0 x 6mm	WT2556	\$49.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 5.0 x 8mm	WT2558	\$49.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 6.0 x 4mm	WT2564	\$49.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 6.0 x 6mm	WT2566	\$49.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 6.0 x 8mm	WT2568	\$49.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 7.5 x 4mm	WT2574	\$49.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 7.5 x 6mm	WT2576	\$49.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 7.5 x 8mm	WT2578	\$49.00
Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 2mm	WTH62	\$43.00
Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 4mm	WTH64	\$43.00
Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 6mm	WTH66	\$43.00
Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 8mm	WTH68	\$43.00
Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 2mm	WTH672	\$43.00
Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 4mm	WTH674	\$43.00
Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 6mm	WTH676	\$43.00
Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 8mm	WTH678	\$43.00
Wide Diameter 6.0mm EP Two-Piece Healing Abutment 6.0 x 4mm	WT2664	\$49.00
Wide Diameter 6.0mm EP Two-Piece Healing Abutment 6.0 x 6mm	WT2666	\$49.00
Wide Diameter 6.0mm EP Two-Piece Healing Abutment 6.0 x 8mm	WT2668	\$49.00
Wide Diameter 6.0mm EP Two-Piece Healing Abutment 7.5 x 4mm	WT2674	\$49.00
Wide Diameter 6.0mm EP Two-Piece Healing Abutment 7.5 x 6mm	WT2676	\$49.00
Wide Diameter 6.0mm EP Two-Piece Healing Abutment 7.5 x 8mm	WT2678	\$49.00
Round Drill	RD100	\$32.00
Tri-Flute Cylinder Bur - 3.3mm x 13mm	TCB33	\$93.00
Tri-Flute Cylinder Bur - 3.3mm x 18mm	TCB38	\$93.00
Tri-Flute Cylinder Bur - 4.0mm x 13mm	TCB43	\$93.00
Tri-Flute Cylinder Bur - 4.0mm x 18mm	TCB48	\$93.00
Tri-Flute Cylinder Bur - 4.25mm x 13mm	TCB423	\$93.00
Tri-Flute Cylinder Bur - 4.25mm x 18mm	TCB428	\$93.00
Tri-Flute Cylinder Bur - 5.0mm x 8.5mm	TCB58	\$118.50
Tri-Flute Cylinder Bur - 5.0mm x 13mm	TCB53	\$118.50
Tri-Flute Cylinder Bur - 6.0mm x 8.5mm	TCB68	\$118.50
Tri-Flute Cylinder Bur - 6.0mm x 13mm	TCB63	\$118.50
Tri-Spade Twist Drill - 2.00mm x 10mm (Internally Irrigated)	ITD210	\$93.00
Tri-Spade Twist Drill - 2.00mm x 15mm (Internally Irrigated)	ITD215	\$93.00
Tri-Spade Twist Drill - 2.00mm x 20mm (Internally Irrigated)	ITD220	\$93.00
Tri-Spade Twist Drill - 2.75mm x 10mm (Internally Irrigated)	ITD2710	\$93.00
Tri-Spade Twist Drill - 2.75mm x 15mm (Internally Irrigated)	ITD2715	\$93.00
Tri-Spade Twist Drill - 2.75mm x 20mm (Internally Irrigated)	ITD2720	\$93.00
Tri-Spade Twist Drill - 3.0mm x 10mm (Internally Irrigated)	ITD310	\$93.00
Tri-Spade Twist Drill - 3.0mm x 15mm (Internally Irrigated)	ITD315	\$93.00

# SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
Tri-Spade Twist Drill - 3.0mm x 20mm (Internally Irrigated)	ITD320	\$93.00
Tri-Spade Twist Drill - 3.15mm x 10mm (Internally Irrigated)	ITD3110	\$93.00
Tri-Spade Twist Drill - 3.15mm x 15mm (Internally Irrigated)	ITD3115	\$93.00
Tri-Spade Twist Drill - 3.15mm x 20mm (Internally Irrigated)	ITD3120	\$93.00
Tri-Spade Twist Drill - 3.25mm x 10mm (Internally Irrigated)	ITD3210	\$93.00
Tri-Spade Twist Drill - 3.25mm x 15mm (Internally Irrigated)	ITD3215	\$93.00
Tri-Spade Twist Drill - 3.25mm x 20mm (Internally Irrigated)	ITD3220	\$93.00
Tri-Spade Twist Drill - 4.25mm x 8.5mm (Internally Irrigated)	ITD428	\$118.50
Tri-Spade Twist Drill - 4.25mm x 13mm (Internally Irrigated)	ITD423	\$118.50
Tri-Spade Twist Drill - 4.25mm x 18mm (Internally Irrigated)	ITD4218	\$118.50
Tri-Spade Twist Drill - 5.25mm x 8.5mm (Internally Irrigated)	ITD528	\$118.50
Tri-Spade Twist Drill - 5.25mm x 13mm (Internally Irrigated)	ITD523	\$118.50
Tri-Spade Twist Drill - 5.25mm x 18mm (Internally Irrigated)	ITD5218	\$118.50
Twist Drill - 2.3mm x 10mm	TD210	\$93.00
Twist Drill - 2.3mm x 15mm	TD215	\$93.00
Twist Drill - 2.3mm x 20mm	TD220	\$93.00
Twist Drill - 3.0mm x 10mm	TD310	\$93.00
Twist Drill - 3.0mm x 15mm	TD315	\$93.00
Twist Drill - 3.0mm x 20mm	TD320	\$93.00
Twist Drill - 3.15mm x 10mm	TD3110	\$93.00
Twist Drill - 3.15mm x 15mm	TD3115	\$93.00
Twist Drill - 3.15mm x 20mm	TD3120	\$93.00
Twist Drill - 3.25mm x 10mm	TD3210	\$93.00
Twist Drill - 3.25mm x 15mm	TD3215	\$93.00
Twist Drill - 3.25mm x 20mm	TD3220	\$93.00
Countersink Drill for Miniplant®/Standard Diameter Threaded and Cylinder	CD100	\$93.00
Countersink Drill for 4/5mm Expanded Platform Osseotite Implant	CD4500	\$118.50
Countersink Drill for 5/6mm Expanded Platform Osseotite Implant	CD5600	\$118.50
Pilot/Countersink Drill for Wide Diameter Threaded Implants - 5.0mm	CD500	\$118.50
Pilot/Countersink Drill for Wide Diameter Threaded Implants - 6.0mm	CD600	\$118.50
Pilot Drill 2mm - 3mm	PD100	\$93.00
Pilot Drill for Wide Diameter Cylinder Implants - 5.0mm	PD500	\$118.50
Pilot Drill for Wide Diameter Cylinder Implants - 6.0mm	PD600	\$118.50
Pilot Shaping Drill 2/3mm for TG Osseotite Implants	PSD100	\$93.00
MicroMiniplant®/Miniplant Bone Tap - 18mm	MTAP1	\$93.00
MicroMiniplant/Miniplant Bone Tap (27mm L) - 18mm	MTAP2	\$93.00
Standard Diameter Bone Tap - 10mm	TAP10	\$93.00
Standard Diameter Bone Tap - 13mm	TAP13	\$93.00
Standard Diameter Bone Tap - 20mm	TAP20	\$93.00
Bone Tap - 4.0mm Diameter x 10mm	TAP410	\$93.00
Bone Tap - 4.0mm Diameter x 13mm	TAP413	\$93.00
Bone Tap - 4.0mm Diameter x 20mm	TAP420	\$93.00
Wide Diameter Bone Tap - 5.0mm x 8.5mm	TAP58S	\$118.50
Wide Diameter Bone Tap - 5.0mm x 13mm	TAP53S	\$118.50
Wide Diameter Bone Tap - 5.0mm x 18mm	TAP518S	\$118.50
Wide Diameter Bone Tap - 6.0mm x 8.5mm	TAP68S	\$118.50

## SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Multiple Patient Use Drills (Continued)</b>		
Wide Diameter Bone Tap - 6.0mm x 13mm	TAP63S	\$118.50
Wide Diameter Bone Tap - 6.0mm x 18mm	TAP618S	\$118.50
<b>Drill Stops for Multiple Patient Use Drills</b>		
Drill Stop - 2/3.25mm x 10mm	DS2310	\$5.00
Drill Stop - 2/3.25mm x 15mm	DS2315	\$5.00
Drill Stop - 2/3.25mm x 20mm	DS2320	\$5.00
Drill Stop - 4.25/5.25mm x 8.5mm	DS458	\$5.00
Drill Stop - 4.25/5.25mm x 13mm	DS4513	\$5.00
Drill Stop - 4.25/5.25mm x 18mm	DS4518	\$5.00
Drill Stop Block	DSB100	\$42.00
<b>Single Patient Use Drills</b>		
Round Drill	DR100	\$17.00
Twist Drill - 2.3mm x 10mm	DT210	\$17.00
Twist Drill - 2.3mm x 15mm	DT215	\$17.00
Twist Drill - 2.3mm x 20mm	DT220	\$17.00
Twist Drill - 2.75mm x 10mm	DT2710	\$16.50
Twist Drill - 2.75mm x 15mm	DT2715	\$16.50
Twist Drill - 2.75mm x 20mm	DT2720	\$18.00
Twist Drill - 3.0mm x 10mm	DT310	\$17.00
Twist Drill - 3.0mm x 15mm	DT315	\$17.00
Twist Drill - 3.0mm x 20mm	DT320	\$17.00
Twist Drill - 3.15mm x 10mm	DT3110	\$17.00
Twist Drill - 3.15mm x 15mm	DT3115	\$17.00
Twist Drill - 3.15mm x 20mm	DT3120	\$17.00
Twist Drill - 3.25mm x 10mm	DT3210	\$17.00
Twist Drill - 3.25mm x 15mm	DT3215	\$17.00
Twist Drill - 3.25mm x 20mm	DT3220	\$17.00
Twist Drill - 4.25mm x 8.5mm	DT428	\$17.00
Twist Drill - 4.25mm x 13mm	DT423	\$17.00
Twist Drill - 4.25mm x 18mm	DT4218	\$17.00
Twist Drill - 5.25mm x 8.5mm	DT528	\$17.00
Twist Drill - 5.25mm x 13mm	DT523	\$17.00
Twist Drill - 5.25mm x 18mm	DT5218	\$17.00
Countersink Drill	DC100	\$22.50
Pilot/Countersink Drill for Wide Diameter Threaded Implants - 5.0mm	DC500	\$22.50
Pilot/Countersink Drill for Wide Diameter Threaded Implants - 6.0mm	DC600	\$22.50
Pilot Drill	DP100	\$17.00
Pilot Shaping Drill 2/3mm for TG Osseotite Implants	DPS100	\$17.00
<b>Single Patient Use Drill Kits</b>		
3-Pack Single Patient Use Drill Kit for Implants - 10mm	DDK210	\$28.00
3-Pack Single Patient Use Drill Kit for Implants - 15mm	DDK215	\$28.00
3-Pack Single Patient Use Drill Kit for Implants - 20mm	DDK220	\$28.00
3-Pack Single Patient Use Drill Kit for TG Osseotite Implants - 10mm	DKTG10	\$25.50

## SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Single Patient Use Drill Kits (Continued)</b>		
3-Pack Single Patient Use Drill Kit for TG Osseotite Implants - 15mm	DKTG15	\$25.50
5-Pack Single Patient Use Drill Kit for Osseotite XP 3/4 and Miniplants	DDK2710	\$56.00
5-Pack Single Patient Use Drill Kit for Osseotite XP 3/4 and Miniplants	DDK2715	\$56.00
5-Pack Single Patient Use Drill Kit for Osseotite XP 3/4 and Miniplants	DDK2720	\$58.50
5-Pack Single Patient Use Drill Kit for Miniplants and Standard Diameter Implants		
-Twist Drill 3.0mm x 10mm	DDK310	\$60.00
5-Pack Single Patient Use Drill Kit for Miniplants and Standard Diameter Implants		
-Twist Drill 3.0mm x 15mm	DDK315	\$60.00
5-Pack Single Patient Use Drill Kit for Miniplants and Standard Diameter Implants		
-Twist Drill 3.0mm x 20mm	DDK320	\$60.00
5-Pack Single Patient Use Drill Kit for Standard Diameter Implants -Twist Drill		
3.25mm x 10mm	DDK3210	\$60.00
5-Pack Single Patient Use Drill Kit for Standard Diameter Implants -Twist Drill		
3.25mm x 15mm	DDK3215	\$60.00
5-Pack Single Patient Use Drill Kit for Standard Diameter Implants -Twist Drill		
3.25mm x 20mm	DDK3220	\$60.00
<b>Surgical Products</b>		
Basic Plastic Surgical Kit for Threaded Implants	PSKT10	\$1,575.00
Standard Plastic Surgical Kit for Threaded Implants	PSKT20	\$3,250.00
Premium Plastic Surgical Kit for Threaded Implants	PSKT30	\$4,800.00
Basic Surgical Kit for Threaded Implants	SKT10	\$1,004.50
Standard Surgical Kit for Cylinder Implants without Drills	SKT25A	\$1,596.50
Standard Surgical Kit for Cylinder Implants	SKT25	\$2,729.50
Standard Surgical Kit for Threaded Implants	SKT20	\$2,750.00
Standard Surgical Kit for Threaded Implants without Drills	SKT20A	\$2,008.50
TG Osseotite™ Placement Kit	TGKIT	\$309.00
Miniplant/Standard Diameter Cover Screw Inserter	CSI10	\$93.00
Wide Diameter 5.0mm Cover Screw Inserter	CSI50	\$93.00
Wide Diameter 6.0mm Cover Screw Inserter	CSI60	\$93.00
Cylinder Implant Depth Gauge - 3.3mm	IDG30	\$38.50
Cylinder Implant Depth Gauge - 4.0mm	IDG40	\$49.50
Cylinder Implant Depth Gauge - 5.0mm	IDG50	\$49.50
Cylinder Implant Depth Gauge - 6.0mm	IDG60	\$49.50
Direction Indicator - 10mm	DI100	\$17.00
Direction Indicator - 15mm	DI200	\$19.00
Drill Extension	DE016	\$39.50
Gelb Radiographic Depth Gauge Kit	XDG00	\$95.00
Hand-Piece Connector	MDR10	\$101.00
Implant Depth Probe	DP020	\$108.50
Wide Implant Depth Probe	WDP02	\$129.00
Implant Removal Instrument	IRI10	\$66.00
Implant Seating Instrument - Anterior	ISI10	\$66.00
Implant Seating Instrument - Posterior	ISI15	\$66.00
Mallet	MALL1	\$49.50
Open End Wrench	CW100	\$93.00
Pre-Angled Surgical Guide Kit	PMKIT	\$307.00

## SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
Radiographic Marking Balls - 30 Pack	RMB30	\$18.00
Ratchet Extension - 6mm	RE100	\$74.50
Ratchet Extension - 15mm	RE200	\$84.50
Ratchet Wrench	WR150	\$180.50
Stent Guide Tubes - 25 Pack	SGT25	\$28.00
TG Osseotite™ Positive Reversal Mount	TGPRM	\$50.00
Surgical Drilling Unit	DU300	\$5,659.00
Surgical Index Coping Assembly	IC100	\$67.00
Index Coping Drill Guide	IC106	\$19.00
Index Coping Drill	ID100	\$16.50
Surgical Kit for 3.3/4.0/4.25mm Cylinder Implants	SKT23	\$572.00
Surgical Kit for 5.0/6.0mm Wide Diameter Cylinder Implants	SKT24	\$793.00
Surgical Kit for 5.0/6.0mm Wide Diameter Threaded Implants	SKT22	\$1,596.50
Surgical Pack - Hospital Standard	CSPHS	\$102.00
Surgical Pack - Office Standard (Internal Irrigation)	CSPOI	\$77.50
Surgical Pack - Office Standard	CSPOS	\$77.50
Plastic Organizer Tray	PTT100	\$550.00
Plastic Surgical Tray	PTT300	\$550.00
Surgical Tray and Blue Drill Organizing Block	TT300	\$850.00
Aluminum Surgical Tray	TT250	\$360.50
Tissue Measuring Post	TMP80	\$90.00
Tissue Punch Standard	TP001	\$29.00
Tissue Punch 5.0mm	TP005	\$29.00
Tissue Punch 6.0mm	TP006	\$29.00
Titanium Curette 11/12 Gracey Configuration	TC012	\$41.00
Titanium Curette 13/14 Gracey Configuration	TC034	\$41.00
Titanium Curette 7/8 Gracey Configuration	TC078	\$41.00
Titanium Curette Kit	TCKIT	\$82.50
Titanium Elevator	TE003	\$137.00
Titanium Forceps	TF002	\$129.00
Titanium Suction Tip	TST01	\$136.00
MicroMiniplant™ Bone Profiler - 3.4mm dia/4mm Flare	BP340	\$93.00
Standard Diameter Bone Profiler Kit	BPKIT	\$247.50
Miniplant/Standard Bone Profiler - 4.1mm dia/5mm Flare	BP450	\$93.00
Miniplant/Standard Bone Profiler - 4.1mm dia/6mm Flare	BP460	\$93.00
Miniplant/Standard Bone Profiler - 4.1mm dia/7.5mm Flare	BP475	\$93.00
Organizer Box for Standard Diameter Bone Profiler Kit	BPKITB	\$39.50
Wide Diameter Bone Profiler Kit - 5.0/6.0mm Implants	BPAKT	\$407.00
Wide Diameter Bone Profiler 5mm dia/5mm Flare	BP550	\$93.00
Wide Diameter Bone Profiler 5mm dia/6mm Flare	BP560	\$93.00
Wide Diameter Bone Profiler 5mm dia/7.5mm Flare	BP575	\$93.00
Wide Diameter Bone Profiler 6mm dia/6mm Flare	BP660	\$93.00
Wide Diameter Bone Profiler 6mm dia/7.5mm Flare	BP675	\$93.00
Organizer Box for Wide Diameter Bone Profiler Kit	BPAKTB	\$39.50

# SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
Biogran 750mg Glass Syringe 2-Pack	2100-0001	\$136.00
Biogran 750mg Glass Syringe 7-Pack	2100-0002	\$445.00
Biogran 500mg Mixing Cup 7-Pack	2100-0003	\$305.00
Biogran 750mg Mixing Cup 7-Pack	2100-0004	\$410.00
Biogran 1500mg Mixing Cup 7-Pack	2100-0005	\$550.00
<b>BioTack™ Instrumentation System</b>	BIOIS	\$695.00
BioTack Drill	BIOD1	\$52.00
BioTack Angled Driver	BIOAD	\$145.00
BioTack Straight Driver	BIOSD	\$135.00
Membrane Stabilizer/Punch Single Point	OFMS0	\$43.00
Membrane Stabilizer Double Point	OFMS1	\$136.00
BioTack Instrumentation Tray	BIOIT	\$275.00
BioTack Two Pack	BIO2P	\$25.00
BioTack Three Pack	BIO3P	\$37.50
OsseoFix Guided Bone Regeneration System	OFKIT2	\$2,530.00
OsseoFix Select Membrane Stabilizing System	OFSKT	\$831.50
OsseoFix Select Autoclave Case	OFKAC	\$158.50
OsseoFix System Organizer Tray	OFKT1	\$296.00
OsseoFix Select System Tray	OFKT2	\$202.00
OsseoFix Drill - Lag 9mm	OFLD9	\$54.00
OsseoFix Drill 3mm	OFDR3	\$53.00
OsseoFix Drill 4mm	OFDR4	\$53.00
OsseoFix Drill 8mm	OFDR8	\$53.00
OsseoFix Microplate Bender/Cutter	OFKBC1	\$132.50
OsseoFix Microplate - Single Row	OFPO1	\$48.00
OsseoFix Microplate - Three Row	OFPO3	\$90.00
OsseoFix Squaredrive Posterior Screwdriver	OFPDQ1	\$100.00
OsseoFix Squaredrive Long Screwdriver	OFLDQ1	\$158.00
OsseoFix Squaredrive Right Angle	OFRAQ1	\$80.00
OsseoFix 1mm Round Drill	OFRD1	\$24.50
OsseoFix Square Drive Screw 5pk 1mm x 3mmL	OFSQ13	\$108.00
OsseoFix Square Drive Screw 5pk 1mm x 4mmL	OFSQ14	\$108.00
OsseoFix Square Drive Screw 5pk 1mm x 6mmL	OFSQ16	\$108.00
OsseoFix Square Drive Screw 5pk 1mm x 8mmL	OFSQ18	\$108.00
OsseoFix Square Drive Screw 5pk 1mm x 10mmL	OFSQ110	\$108.00
OsseoFix Square Drive Screw 5pk 1mm x 12mmL	OFSQ112	\$108.00
OsseoFix Square Drive Screw 5pk 1.2mm x 3mmL	OFSQW3	\$108.00
OsseoFix Square Drive Screw 5pk 1.2mm x 4mmL	OFSQW4	\$108.00
OsseoFix Square Drive Screw 5pk 1.2mm x 6mmL	OFSQW6	\$108.00
OsseoFix Square Drive Screw 5pk 1.2mm x 8mmL	OFSQW8	\$108.00
OsseoFix Square Drive Screw 5pk 1.2mm x 10mmL	OFSQW10	\$108.00
OsseoFix Square Drive Screw 5pk 1.2mm x 12mmL	OFSQW12	\$108.00
Quetin Bone-Mill, Stainless Steel	QBM001	\$2,250.00

## SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Advanced Therapy</b>		
Trephine Bur 2mm dia	TRE02	\$105.00
Trephine Bur 4mm dia	TRE04	\$105.00
Trephine Bur 5mm dia	TRE05	\$105.00
Trephine Bur 6mm dia	TRE06	\$105.00
Trephine Bur 8mm dia	TRE08	\$105.00
Sinus Elevation Kit	SEKT1	\$484.50
Single End Membrane Elevator	ME100	\$49.50
Double End Membrane Elevator - Medium	ME200	\$66.00
Double End Membrane Elevator - Large	ME300	\$66.00
Titanium Plugger - Large	TIPL1	\$49.50
Titanium Plugger - Small	TIPS1	\$49.50
Titanium Coated Bone Carrier	TIBC1	\$147.50
Sinus Elevation Kit Tray Only	SEKTR	\$149.50
Summers Osteotome Kit, 1-4	OST00	\$427.50
Summers Osteotome Kit, 1-5	OST10	\$479.00
Summers Osteotome Kit, 1-FS	OST20	\$530.50
Summers Osteotome - #1	OST01	\$96.00
Summers Osteotome - #2	OST02	\$96.00
Summers Osteotome - #3	OST03	\$96.00
Summers Osteotome - #4	OST04	\$96.00
Osteotome for 5mm Wide Implants	OST05	\$96.00
Osteotome for Future Site	OSTFS	\$96.00
Osteotome Kit Tray Only	OSTTR	\$101.00
<b>3X Implant Models</b>		
Osseotite Implant 4.0mm x 13.0mm, 3X Model	OSSMOD1	\$40.00
Osseotite XP Implant 4/5mm x 13.0mm, 3X Model	XPMOD1	\$40.00
TG Osseotite Implant 2mm Collar, 4.0mm x 13.0mm with post, 3X Model	TGMOD1	\$40.00
Implant Model Base	MODELBASE	\$0.00



# Restorative Products

## **Products Listed By Description**



# Restorative Products

## **Products Listed By Description**

[REDACTED]

# RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>MicroMiniplant Abutments</b>		
<b>Prep-Tite™ Abutment Series</b>		
*MicroMiniplant GingiHue™ Post 3.4mm x 3.8mm x 2mm	MAP32G	\$75.00
*MicroMiniplant GingiHue Post 3.4mm x 3.8mm x 4mm	MAP34G	\$75.00
*MicroMiniplant 15° Pre-Angled GingiHue™ Post 3.4mm x 3.8mm x 2mm	MPAP32G	\$95.00
*MicroMiniplant 15° Pre-Angled GingiHue Post 3.4mm x 3.8mm x 4mm	MPAP34G	\$95.00
*MicroMiniplant UCLA Gold Hexed Abutment Cylinder	MUCG1C	\$90.00
MicroMiniplant Conical Abutment 1mm	MCA31	\$120.00
MicroMiniplant Conical Abutment 2mm	MCA32	\$120.00
MicroMiniplant Conical Abutment 3mm	MCA33	\$120.00
MicroMiniplant Conical Abutment 4mm	MCA34	\$120.00
<b>Prep-Tite™ Abutment Series</b>		
*GingiHue™ Post 4.1mm x 5mm x 2mm	APP452G	\$75.00
*GingiHue Post 4.1mm x 5mm x 4mm	APP454G	\$75.00
*GingiHue Post 4.1mm x 6mm x 2mm	APP462G	\$75.00
*GingiHue Post 4.1mm x 6mm x 4mm	APP464G	\$75.00
*GingiHue Post 4.1mm x 7.5mm x 2mm	APP472G	\$75.00
*GingiHue Post 4.1mm x 7.5mm x 4mm	APP474G	\$75.00
*15° Pre-Angled GingiHue™ Post 4.1mm x 5mm x 2mm	PAP452G	\$95.00
*15° Pre-Angled GingiHue Post 4.1mm x 5mm x 4mm	PAP454G	\$95.00
*15° Pre-Angled GingiHue Post 4.1mm x 6mm x 2mm	PAP462G	\$95.00
*15° Pre-Angled GingiHue Post 4.1mm x 6mm x 4mm	PAP464G	\$95.00
*15° Pre-Angled GingiHue Post 4.1mm x 7.5mm x 2mm	PAP472G	\$95.00
*15° Pre-Angled GingiHue Post 4.1mm x 7.5mm x 4mm	PAP474G	\$95.00
Gold Post™ Abutment 1mm	GPA01	\$125.00
Gold Post Abutment 2mm	GPA02	\$125.00
Gold Post Abutment 3mm	GPA03	\$125.00
Gold Post Abutment 4mm	GPA04	\$125.00
□STA® - Single Tooth Abutment 1mm	STA451	\$178.00
□STA - Single Tooth Abutment 2mm	STA452	\$178.00
□STA - Single Tooth Abutment 3mm	STA453	\$178.00
□STA - Single Tooth Abutment 4mm	STA454	\$178.00
□STA - Single Tooth Abutment 5mm	STA455	\$178.00
*UCLA Gold Standard ZR™ Hexed Abutment Cylinder	SGUCA1C	\$90.00
*UCLA Gold Hexed Abutment Cylinder	GUCA1C	\$90.00
*UCLA Gold Non-Hexed Abutment Cylinder	GUCA2C	\$90.00
*UCLA Castable Plastic Hexed Abutment Cylinder	UNAB1C	\$40.00
*UCLA Castable Plastic Non-Hexed Abutment Cylinder	UNAB2C	\$40.00
*UCLA Castable Plastic Hexed Abutment Cylinders 25 Pack	UNA125	\$857.50
*UCLA Castable Plastic Non-Hexed Abutment Cylinders 25 Pack	UNA225	\$857.50
Conical Abutment 1mm	CA001	\$120.00
Conical Abutment 2mm	CA002	\$120.00
Conical Abutment 3mm	CA003	\$120.00
Conical Abutment 4mm	CA004	\$120.00
Conical Abutment 5.5mm	CA055	\$120.00

\*Use of square Gold-Tite™ Uniscrew recommended.

□ Packaged with a square Gold-Tite Uniscrew.

# Restorative Products

## **Products Listed By Description**



## RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>MicroMiniplant Abutments</b>		
<b>Prep-Tite™ Abutment Series</b>		
*MicroMiniplant GingiHue™ Post 3.4mm x 3.8mm x 2mm	MAP32G	\$75.00
*MicroMiniplant GingiHue Post 3.4mm x 3.8mm x 4mm	MAP34G	\$75.00
*MicroMiniplant 15° Pre-Angled GingiHue™ Post 3.4mm x 3.8mm x 2mm	MPAP32G	\$95.00
*MicroMiniplant 15° Pre-Angled GingiHue Post 3.4mm x 3.8mm x 4mm	MPAP34G	\$95.00
*MicroMiniplant UCLA Gold Hexed Abutment Cylinder	MUCG1C	\$90.00
MicroMiniplant Conical Abutment 1mm	MCA31	\$120.00
MicroMiniplant Conical Abutment 2mm	MCA32	\$120.00
MicroMiniplant Conical Abutment 3mm	MCA33	\$120.00
MicroMiniplant Conical Abutment 4mm	MCA34	\$120.00
<b>Prep-Tite™ Abutment Series</b>		
*GingiHue™ Post 4.1mm x 5mm x 2mm	APP452G	\$75.00
*GingiHue Post 4.1mm x 5mm x 4mm	APP454G	\$75.00
*GingiHue Post 4.1mm x 6mm x 2mm	APP462G	\$75.00
*GingiHue Post 4.1mm x 6mm x 4mm	APP464G	\$75.00
*GingiHue Post 4.1mm x 7.5mm x 2mm	APP472G	\$75.00
*GingiHue Post 4.1mm x 7.5mm x 4mm	APP474G	\$75.00
*15° Pre-Angled GingiHue™ Post 4.1mm x 5mm x 2mm	PAP452G	\$95.00
*15° Pre-Angled GingiHue Post 4.1mm x 5mm x 4mm	PAP454G	\$95.00
*15° Pre-Angled GingiHue Post 4.1mm x 6mm x 2mm	PAP462G	\$95.00
*15° Pre-Angled GingiHue Post 4.1mm x 6mm x 4mm	PAP464G	\$95.00
*15° Pre-Angled GingiHue Post 4.1mm x 7.5mm x 2mm	PAP472G	\$95.00
*15° Pre-Angled GingiHue Post 4.1mm x 7.5mm x 4mm	PAP474G	\$95.00
Gold Post™ Abutment 1mm	GPA01	\$125.00
Gold Post Abutment 2mm	GPA02	\$125.00
Gold Post Abutment 3mm	GPA03	\$125.00
Gold Post Abutment 4mm	GPA04	\$125.00
□STA® - Single Tooth Abutment 1mm	STA451	\$178.00
□STA - Single Tooth Abutment 2mm	STA452	\$178.00
□STA - Single Tooth Abutment 3mm	STA453	\$178.00
□STA - Single Tooth Abutment 4mm	STA454	\$178.00
□STA - Single Tooth Abutment 5mm	STA455	\$178.00
*UCLA Gold Standard ZR™ Hexed Abutment Cylinder	SGUCA1C	\$90.00
*UCLA Gold Hexed Abutment Cylinder	GUCA1C	\$90.00
*UCLA Gold Non-Hexed Abutment Cylinder	GUCA2C	\$90.00
*UCLA Castable Plastic Hexed Abutment Cylinder	UNAB1C	\$40.00
*UCLA Castable Plastic Non-Hexed Abutment Cylinder	UNAB2C	\$40.00
*UCLA Castable Plastic Hexed Abutment Cylinders 25 Pack	UNA125	\$857.50
*UCLA Castable Plastic Non-Hexed Abutment Cylinders 25 Pack	UNA225	\$857.50
Conical Abutment 1mm	CA001	\$120.00
Conical Abutment 2mm	CA002	\$120.00
Conical Abutment 3mm	CA003	\$120.00
Conical Abutment 4mm	CA004	\$120.00
Conical Abutment 5.5mm	CA055	\$120.00

\*Use of square Gold-Tite™ Uniscrew recommended.

[ ] Packaged with a square Gold-Tite UniScrew.

# Restorative Products

## **Products Listed By Description**



# RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>MicroMiniplant Abutments</b>		
<b>Prep-Tite™ Abutment Series</b>		
*MicroMiniplant GingiHue™ Post 3.4mm x 3.8mm x 2mm	MAP32G	\$75.00
*MicroMiniplant GingiHue Post 3.4mm x 3.8mm x 4mm	MAP34G	\$75.00
*MicroMiniplant 15° Pre-Angled GingiHue™ Post 3.4mm x 3.8mm x 2mm	MPAP32G	\$95.00
*MicroMiniplant 15° Pre-Angled GingiHue Post 3.4mm x 3.8mm x 4mm	MPAP34G	\$95.00
*MicroMiniplant UCLA Gold Hexed Abutment Cylinder	MUCG1C	\$90.00
MicroMiniplant Conical Abutment 1mm	MCA31	\$120.00
MicroMiniplant Conical Abutment 2mm	MCA32	\$120.00
MicroMiniplant Conical Abutment 3mm	MCA33	\$120.00
MicroMiniplant Conical Abutment 4mm	MCA34	\$120.00
<b>Prep-Tite™ Abutment Series</b>		
*GingiHue™ Post 4.1mm x 5mm x 2mm	APP452G	\$75.00
*GingiHue Post 4.1mm x 5mm x 4mm	APP454G	\$75.00
*GingiHue Post 4.1mm x 6mm x 2mm	APP462G	\$75.00
*GingiHue Post 4.1mm x 6mm x 4mm	APP464G	\$75.00
*GingiHue Post 4.1mm x 7.5mm x 2mm	APP472G	\$75.00
*GingiHue Post 4.1mm x 7.5mm x 4mm	APP474G	\$75.00
*15° Pre-Angled GingiHue™ Post 4.1mm x 5mm x 2mm	PAP452G	\$95.00
*15° Pre-Angled GingiHue Post 4.1mm x 5mm x 4mm	PAP454G	\$95.00
*15° Pre-Angled GingiHue Post 4.1mm x 6mm x 2mm	PAP462G	\$95.00
*15° Pre-Angled GingiHue Post 4.1mm x 6mm x 4mm	PAP464G	\$95.00
*15° Pre-Angled GingiHue Post 4.1mm x 7.5mm x 2mm	PAP472G	\$95.00
*15° Pre-Angled GingiHue Post 4.1mm x 7.5mm x 4mm	PAP474G	\$95.00
Gold Post™ Abutment 1mm	GPA01	\$125.00
Gold Post Abutment 2mm	GPA02	\$125.00
Gold Post Abutment 3mm	GPA03	\$125.00
Gold Post Abutment 4mm	GPA04	\$125.00
□STA® - Single Tooth Abutment 1mm	STA451	\$178.00
□STA - Single Tooth Abutment 2mm	STA452	\$178.00
□STA - Single Tooth Abutment 3mm	STA453	\$178.00
□STA - Single Tooth Abutment 4mm	STA454	\$178.00
□STA - Single Tooth Abutment 5mm	STA455	\$178.00
*UCLA Gold Standard ZR™ Hexed Abutment Cylinder	SGUCA1C	\$90.00
*UCLA Gold Hexed Abutment Cylinder	GUCA1C	\$90.00
*UCLA Gold Non-Hexed Abutment Cylinder	GUCA2C	\$90.00
*UCLA Castable Plastic Hexed Abutment Cylinder	UNAB1C	\$40.00
*UCLA Castable Plastic Non-Hexed Abutment Cylinder	UNAB2C	\$40.00
*UCLA Castable Plastic Hexed Abutment Cylinders 25 Pack	UNA125	\$857.50
*UCLA Castable Plastic Non-Hexed Abutment Cylinders 25 Pack	UNA225	\$857.50
Conical Abutment 1mm	CA001	\$120.00
Conical Abutment 2mm	CA002	\$120.00
Conical Abutment 3mm	CA003	\$120.00
Conical Abutment 4mm	CA004	\$120.00
Conical Abutment 5.5mm	CA055	\$120.00

\*Use of square Gold-Tite™ Uniscrew recommended.

[] Packaged with a square Gold-Tite Uniscrew.

## RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
Conical Gold Standard ZR™ Abutment 1mm	SCA001	\$120.00
Conical Gold Standard ZR Abutment 2mm	SCA002	\$120.00
Conical Gold Standard ZR Abutment 3mm	SCA003	\$120.00
Conical Gold Standard ZR Abutment 4mm	SCA004	\$120.00
Conical Gold Standard ZR Abutment 5mm	SCA005	\$120.00
Standard Abutment 2mm	AB200	\$112.00
Standard Abutment 3mm	AB300	\$112.00
Standard Abutment 4mm	AB400	\$112.00
Standard Abutment 5.5mm	AB550	\$112.00
Standard Abutment 7mm	AB700	\$112.00
*Pre-Angled Abutment 15° x 2mm Cylinder	PA152C	\$121.00
*Pre-Angled Abutment 15° x 4mm Cylinder	PA154C	\$121.00
*Pre-Angled Abutment 15° x 6mm Cylinder	PA156C	\$121.00
*Pre-Angled Abutment 25° x 2mm Cylinder	PA252C	\$130.00
*Pre-Angled Abutment 25° x 4mm Cylinder	PA254C	\$130.00
*Pre-Angled Abutment 25° x 6mm Cylinder	PA256C	\$130.00
O-Ring Abutment 2mm	OSO20	\$118.00
O-Ring Abutment 4mm	OSO40	\$118.00
O-Ring Abutment 6mm	OSO60	\$118.00
Dal-Ro Abutment 2mm	DRA20	\$118.00
Dal-Ro Abutment 4mm	DRA40	\$118.00
Dal-Ro Abutment 6mm	DRA60	\$118.00

### Prep-Tite™ Abutment Series

*GingiHue™ Post 5mm x 5mm x 2mm	WPP552G	\$78.00
*GingiHue Post 5mm x 5mm x 4mm	WPP554G	\$78.00
*GingiHue Post 5mm x 6mm x 2mm	WPP562G	\$78.00
*GingiHue Post 5mm x 6mm x 4mm	WPP564G	\$78.00
*GingiHue Post 5mm x 7.5mm x 2mm	WPP572G	\$78.00
*GingiHue Post 5mm x 7.5mm x 4mm	WPP574G	\$78.00
*15° Pre-Angled GingiHue™ Post 5mm x 5mm x 2mm	PAP552G	\$98.00
*15° Pre-Angled GingiHue Post 5mm x 5mm x 4mm	PAP554G	\$98.00
*15° Pre-Angled GingiHue Post 5mm x 6mm x 2mm	PAP562G	\$98.00
*15° Pre-Angled GingiHue Post 5mm x 6mm x 4mm	PAP564G	\$98.00
*15° Pre-Angled GingiHue Post 5mm x 7.5mm x 2mm	PAP572G	\$98.00
*15° Pre-Angled GingiHue Post 5mm x 7.5mm x 4mm	PAP574G	\$98.00
□ STA® - Single Tooth Abutment 1mm	STA551	\$188.00
□ STA - Single Tooth Abutment 2mm	STA552	\$188.00
□ STA - Single Tooth Abutment 3mm	STA553	\$188.00
*UCLA Gold Standard ZR™ Hexed Abutment Cylinder	SWGA51C	\$98.00
*UCLA Gold Hexed Abutment Cylinder	WGA51C	\$98.00
*UCLA Gold Non-Hexed Abutment Cylinder	WGA52C	\$98.00
*UCLA Castable Plastic Hexed Abutment Cylinder	WPC51C	\$48.00
*UCLA Castable Plastic Non-Hexed Abutment Cylinder	WPC52C	\$48.00
Conical Abutment 1mm	WCA51	\$130.00

\*Use of square Gold-Tite™ Uniscrew recommended.

□ Packaged with a square Gold-Tite UniScrew.



# RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Wide Diameter 5.0mm Abutments (Continued)</b>		
Conical Abutment 2mm	WCA52	\$130.00
Conical Abutment 3mm	WCA53	\$130.00
Conical Abutment 4mm	WCA54	\$130.00
Conical Abutment 5.5mm	WCA55	\$130.00
Conical Gold Standard ZR™ Abutment 1mm	SWCA51	\$130.00
Conical Gold Standard ZR Abutment 2mm	SWCA52	\$130.00
Conical Gold Standard ZR Abutment 3mm	SWCA53	\$130.00
Conical Gold Standard ZR Abutment 4mm	SWCA54	\$130.00
Conical Gold Standard ZR Abutment 5mm	SWCA55	\$130.00
Standard Abutment 2mm	WAB200	\$116.00
Standard Abutment 3mm	WAB300	\$116.00
Standard Abutment 4mm	WAB400	\$116.00
Standard Abutment 5.5mm	WAB550	\$116.00
O-Ring Abutment 2mm	WOSO20	\$128.00
O-Ring Abutment 4mm	WOSO40	\$128.00
O-Ring Abutment 6mm	WOSO60	\$128.00
<b>Wide Diameter 6.0mm Abutments</b>		
<b>Prep-Tite™ Abutment Series</b>		
*GingiHue™ Post 6mm x 6mm x 2mm	WPP662G	\$78.00
*GingiHue Post 6mm x 6mm x 4mm	WPP664G	\$78.00
*GingiHue Post 6mm x 7.5mm x 2mm	WPP672G	\$78.00
*GingiHue Post 6mm x 7.5mm x 4mm	WPP674G	\$78.00
*15° Pre-Angled GingiHue™ Post 6mm x 6mm x 2mm	PAP662G	\$98.00
*15° Pre-Angled GingiHue Post 6mm x 6mm x 4mm	PAP664G	\$98.00
*15° Pre-Angled GingiHue Post 6mm x 7.5mm x 2mm	PAP672G	\$98.00
*15° Pre-Angled GingiHue Post 6mm x 7.5mm x 4mm	PAP674G	\$98.00
□STA®- Single Tooth Abutment 1mm	STA661	\$188.00
□STA - Single Tooth Abutment 2mm	STA662	\$188.00
□STA - Single Tooth Abutment 3mm	STA663	\$188.00
*UCLA Gold Standard ZR™ Hexed Abutment Cylinder	SWGA61C	\$98.00
*UCLA Gold Hexed Abutment Cylinder	WGA61C	\$98.00
*UCLA Gold Non-Hexed Abutment Cylinder	WGA62C	\$98.00
*UCLA Castable Plastic Hexed Abutment Cylinder	WPC61C	\$48.00
*UCLA Castable Plastic Non-Hexed Abutment Cylinder	WPC62C	\$48.00
Conical Abutment 1mm	WCA61	\$130.00
Conical Abutment 2mm	WCA62	\$130.00
Conical Abutment 3mm	WCA63	\$130.00
Conical Abutment 4mm	WCA64	\$130.00
Conical Abutment 5.5mm	WCA65	\$130.00
Conical Gold Standard ZR™ Abutment 1mm	SWCA61	\$130.00
Conical Gold Standard ZR Abutment 2mm	SWCA62	\$130.00
Conical Gold Standard ZR Abutment 3mm	SWCA63	\$130.00
Conical Gold Standard ZR Abutment 4mm	SWCA64	\$130.00
Conical Gold Standard ZR Abutment 5mm	SWCA65	\$130.00

\*Use of square Gold-Tite™ Uniscrew recommended.

□ Packaged with a square Gold-Tite UniScrew.

## RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>TG Osseotite™ Abutments</b>		
TG Post 4mm	TGP04	\$95.00
TG Post 5.5mm	TGP55	\$95.00
TG Post 7mm	TGP07	\$95.00
TG Pre-Angled Post 15° (Hexed retaining screw included)	TGPA15	\$125.00
TG Pre-Angled Post 25° (Hexed retaining screw included)	TGPA25	\$125.00
TG Hex Abutment	TGA01	\$98.00
TG O-Ring Abutment 0mm	TGOS00	\$58.00
TG O-Ring Abutment 2mm	TGOS02	\$58.00
TG O-Ring Abutment 4mm	TGOS04	\$58.00
<b>Healing Caps</b>		
Prep-Tite™ Cap 5mm(H) Fits: MAP32G, MAP34G	PTC345	\$12.00
Prep-Tite Cap 7mm(H) Fits: MAP32G, MAP34G	PTC347	\$12.00
Prep-Tite Cap 5mm(H) Fits: APP452G, APP454G	PTC455	\$12.00
Prep-Tite Cap 7mm(H) Fits: APP452G, APP454G	PTC457	\$12.00
Prep-Tite Cap 5mm(H) Fits: APP462G, APP464G, WPP562G, WPP564G	PTC465	\$12.00
Prep-Tite Cap 7mm(H) Fits: APP462G, APP464G, WPP562G, WPP564G	PTC467	\$12.00
Prep-Tite Cap 5mm(H) Fits: APP472G, APP474G, WPP572G, WPP574G, WPP672G, WPP674G	PTC475	\$12.00
Prep-Tite Cap 7mm(H) Fits: APP472G, APP474G, WPP572G, WPP574G, WPP672G, WPP674G	PTC477	\$12.00
Prep-Tite Cap 5mm(H) Fits: WPP552G, WPP554G	PTC555	\$12.00
Prep-Tite Cap 7mm(H) Fits: WPP552G, WPP554G	PTC557	\$12.00
Prep-Tite Cap 5mm(H) Fits: WPP662G, WPP664G	PTC665	\$12.00
Prep-Tite Cap 7mm(H) Fits: WPP662G, WPP664G	PTC667	\$12.00
MicroMiniplant™ Conical Healing Cap	MHC33	\$18.00
®STA® Healing Cap 5mm	STTH5	\$16.50
®STA Healing Cap 6mm	STTH56	\$18.00
®STA Healing Cap 7.5mm	STTH57	\$18.00
Conical Healing Cap 5mm for 4.1mm and 5mm (D) Platforms	CS250	\$16.50
Conical Healing Cap 6mm	CS260	\$16.50
Conical Healing Cap 7.5mm	CS270	\$16.50
Standard Abutment Healing Cap	TS250	\$17.00
Wide Diameter 6mm Conical Healing Cap 6mm	WCS66	\$18.00
Wide Diameter 6mm Conical Healing Cap 7.5mm	WCS67	\$18.00
Wide Diameter 6mm STA Healing Cap 6mm	STTH6	\$19.00
Wide Diameter 6mm STA Healing Cap 7.5mm	STTH67	\$19.00
TG Post/Gold Post™ Snap Cap 4mm	TGHC04	\$15.00
TG Post/Gold Post Snap Cap 5.5mm	TGHC05	\$15.00
TG Post/Gold Post Snap Cap 7mm	TGHC07	\$15.00
TG Hex Abutment Healing Cap	TGAHC	\$15.00
<b>Implant Impression Copings</b>		
MicroMiniplant™ Pick-up Coping	MIC33	\$37.00
Implant Pick-up Coping 5mm	IIC12	\$38.00
Implant Pick-up Coping 6mm	IIC60	\$38.00

\*Use of square Gold-Tite™ Uniscrew recommended.

[] Packaged with a square Gold-Tite Uniscrew.

# RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
Implant Pick-up Coping 7.5mm	IIC75	\$38.00
Implant Twist Lock™ Coping 5mm	IIC45	\$38.00
Implant Twist Lock Coping 6mm	IIC46	\$38.00
Implant Twist Lock Coping 7.5mm	IIC47	\$38.00
5mm Implant Pick-up Coping 5mm	WIP55	\$42.00
5mm Implant Pick-up Coping 6mm	WIP56	\$42.00
5mm Implant Pick-up Coping 7.5mm	WIP57	\$42.00
6mm Implant Pick-up Coping 6mm	WIP66	\$42.00
6mm Implant Pick-up Coping 7.5mm	WIP67	\$42.00
5mm Implant Twist Lock Coping 5mm	WIT55	\$42.00
5mm Implant Twist Lock Coping 6mm	WIT56	\$42.00
5mm Implant Twist Lock Coping 7.5mm	WIT57	\$42.00
6mm Implant Twist Lock Coping 6mm	WIT66	\$42.00
6mm Implant Twist Lock Coping 7.5mm	WIT67	\$42.00
MicroMiniplant™ Conical Coping	MEC33	\$35.00
STA® Pick-up Coping w/5mm Emergence Profile	SPIC5	\$25.00
STA Pick-up Coping w/6mm Emergence Profile	SPIC56	\$25.00
STA Pick-up Coping w/7.5mm Emergence Profile	SPIC57	\$25.00
STA Twist Lock™ Coping w/5mm Emergence Profile	STIC5	\$25.00
STA Twist Lock Coping w/6mm Emergence Profile	STIC56	\$25.00
STA Twist Lock Coping w/7.5mm Emergence Profile	STIC57	\$25.00
Conical Pick-up Coping 5mm Emergence Profile Non-Hexed	CSQI7	\$20.00
Conical Pick-up Coping 6mm Emergence Profile Non-Hexed	CSQ06	\$20.00
Conical Pick-up Coping 7.5mm Emergence Profile Non-Hexed	CSQ07	\$20.00
Conical Pick-up Coping 5mm Emergence Profile Hexed	CNRIC	\$30.00
Conical Pick-up Coping 6mm Emergence Profile Hexed	CSQN6	\$30.00
Conical Pick-up Coping 7.5mm Emergence Profile Hexed	CSQN7	\$30.00
Conical Twist Lock Coping 5mm Emergence Profile Non-Hexed	CIC55	\$18.00
Conical Twist Lock Coping 6mm Emergence Profile Non-Hexed	CIC56	\$18.00
Conical Twist Lock Coping 7.5mm Emergence Profile Non-Hexed	CIC57	\$18.00
Standard Abutment Pick-up Coping	SQIC7	\$19.00
Standard Abutment Transfer Coping	SIC70	\$17.00
Conical Pick-up Coping for 6mm Implant w/6mm Emergence Profile Hexed	WCP661	\$35.00
Conical Pick-up Coping for 6mm Implant w/7.5mm Emergence Profile Hexed	WCP671	\$35.00
Conical Pick-up Coping for 6mm Implant w/6mm Emergence Profile Non-Hexed	WCP662	\$35.00
Conical Pick-up Coping for 6mm Implant w/7.5mm Emergence Profile Non-Hexed	WCP672	\$35.00
Conical Twist Lock Coping for 6mm Implant w/6mm Emergence Profile Hexed	WCT661	\$35.00
Conical Twist Lock Coping for 6mm Implant w/7.5mm Emergence Profile Hexed	WCT671	\$35.00
Conical Twist Lock Coping for 6mm Implant w/6mm Emergence Profile Non-Hexed	WCT662	\$35.00
Conical Twist Lock Coping for 6mm Implant w/7.5mm Emergence Profile Non-Hexed	WCT672	\$35.00
Wide Diameter 6mm STA Pick-up Coping 6mm	SPIC6	\$25.00
Wide Diameter 6mm STA Pick-up Coping 7.5mm	SPIC67	\$25.00
Wide Diameter 6mm STA Twist Lock Coping 6mm	STIC6	\$25.00
Wide Diameter 6mm STA Twist Lock Coping 7.5mm	STIC67	\$25.00

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[] Packaged with a square Gold-Tite Uniscrew.

# RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
TG Hex Abutment Pick-up Coping	TGAPIC	\$36.00
TG Hex Abutment Twist Lock™ Coping	TGATIC	\$36.00
MicroMiniplant™ Implant Lab Analog	MMILA	\$17.00
MicroMiniplant Conical Lab Analog	MMCLA	\$16.00
Implant Lab Analog	ILA20	\$17.00
STA® Lab Analog	STLA5	\$17.00
Conical Lab Analog	CLA20	\$11.00
Standard Abutment Lab Analog	SLA20	\$11.00
Wide Diameter 5mm Implant Lab Analog	ILAW5	\$24.00
Wide Diameter 6mm Implant Lab Analog	ILAW6	\$24.00
Wide Diameter 6mm Conical Lab Analog	WCLA6	\$26.00
Wide Diameter 6mm STA Lab Analog	STLA6	\$18.00
TG Hex Abutment Lab Analog	TGALA	\$21.00
TG Post Lab Analog 4mm	TGPLA4S	\$21.00
TG Post Lab Analog 5.5mm	TGPLA5S	\$21.00
TG Post Lab Analog 7mm	TGPLA7S	\$21.00
TG O-Ring Lab Analog 0mm	TGORA0	\$21.00
TG O-Ring Lab Analog 2mm/4mm	TGORA2	\$21.00
MicroMiniplant™ Implant Temporary Cylinder Hexed Only	MMTC1	\$48.00
MicroMiniplant Conical Temporary Cylinder Hexed	MCTC1	\$25.00
MicroMiniplant Conical Temporary Cylinder Non-Hexed	MCTC2	\$25.00
Miniplant®/Standard Diameter Implant Temporary Cylinder Hexed	ITCH0	\$48.00
Miniplant/Standard Diameter Implant Temporary Cylinder Non-Hexed	ITCH1	\$48.00
Miniplant/Standard Diameter Implant Retention Cylinder - 2mm	THRC4	\$38.00
Miniplant/Standard Diameter Implant Retention Cylinder - 4mm	THRC6	\$38.00
STA® Temporary Cylinder for 4.1mm/5mm Implant	STTC5	\$16.00
Conical Temporary Cylinder for 4.1mm/5mm Implant Hexed	CNC30	\$25.00
Conical Temporary Cylinder for 4.1mm/5mm Implant Non-Hexed	CC300	\$25.00
Standard Abutment Temporary Cylinder for Miniplant/Standard Diameter Implant	TC300	\$24.00
Implant - Wide Diameter 5mm Temporary Cylinder Hexed	WTC51	\$53.00
Implant - Wide Diameter 5mm Temporary Cylinder Non-Hexed	WTC52	\$53.00
Implant - Wide Diameter 6mm Temporary Cylinder Hexed	WTC61	\$53.00
Implant - Wide Diameter 6mm Temporary Cylinder Non-Hexed	WTC62	\$53.00
Conical - Wide Diameter 6mm Temporary Cylinder Hexed	WCTC60	\$29.00
Conical - Wide Diameter 6mm Temporary Cylinder Non-Hexed	WCTC61	\$29.00
STA Wide Diameter Temporary Cylinder for 6mm Implant	STTC6	\$16.00
TG Hex Abutment Temporary Cylinder Non-Hexed	TGATC	\$25.00
TG Hex Abutment Temporary Cylinder Hexed	TGANRTC	\$25.00
MicroMiniplant™ Conical Gold Cylinder Hexed	MCAG1	\$78.00
MicroMiniplant Conical Gold Cylinder Non-Hexed	MCAG2	\$64.00

\*Use of square Gold-Tite™ Uniscrew recommended.

[] Packaged with a square Gold-Tite UniScrew.

## RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Gold Cylinders (Continued)</b>		
STA® Gold Cylinder for 4.1mm/5mm Implant	STGC5	\$70.00
Conical Gold Cylinder Hexed for 4.1mm/5mm Implant	CNRG5	\$76.00
Conical Gold Cylinder Non-Hexed for 4.1mm/5mm Implant	CAGC5	\$60.00
Standard Abutment Gold Cylinder	SGC30	\$56.00
Standard Abutment Chamfered Gold Cylinder	CGC30	\$56.00
Conical Gold Cylinder Hexed for 6mm Implant	CNRG6	\$82.50
Conical Gold Cylinder Non-Hexed for 6mm Implant	CAGC6	\$69.00
STA Gold Cylinder for 6mm Wide Diameter Implant	STGC6	\$70.00
TG Hex Abutment Gold Cylinder Hexed	TGANRC	\$70.00
TG Hex Abutment Gold Cylinder Non-Hexed	TGAGC	\$70.00
TG Hex Abutment Milling Post - (For Cement Retained Restoration)	TGMP1	\$85.00
TG Hex Abutment Gold Cylinder - (For Bar Overdenture)	TGAGCB	\$70.00
TG Post Gold Cylinder	TGPGC	\$69.50
<b>Castable Plastic Cylinders</b>		
Conical Castable Plastic Hexed Cylinder for 4.1mm/5mm Implant	CNRC5	\$30.00
Conical Castable Plastic Non-Hexed Cylinder for 4.1mm/5mm Implant	CACC5	\$25.00
Standard Abutment Castable Plastic Cylinder	SGC34	\$16.50
TG Hex Abutment Castable Plastic Hexed Cylinder	TGAPNR	\$21.00
TG Hex Abutment Castable Plastic Non-Hexed Cylinder	TGAPCC	\$21.00
<b>Retaining Screws</b>		
Gold-Tite™ Hex Retaining Screw 2mm	GSH20	\$22.00
Gold-Tite Hex Retaining Screw 3mm	GSH30	\$22.00
Gold-Tite Hex Retaining Screw 7mm	GSH70	\$30.00
Hexed Gold-Tite UniScrew	UNIHG	\$46.00
Square Gold-Tite UniScrew	UNISG	\$46.00
Hexed Titanium UniScrew	UNIHT	\$36.00
<b>Polishing Protectors</b>		
MicroMiniplant™ Implant Polishing Protector	PPMM1	\$14.50
MicroMiniplant Conical Polishing Protector	PPMC1	\$14.50
Miniplant® Standard Implant Polishing Protector	PPIA3	\$14.50
STA® Polishing Protector	PPST5	\$13.00
Conical Polishing Protector	PPCA3	\$14.50
Standard Abutment Polishing Protector	PPSA3	\$14.50
Wide Diameter 5mm Implant Polishing Protector	WPP50	\$16.50
Wide Diameter 6mm Implant Polishing Protector	WPP60	\$16.50
Wide Diameter 6mm STA Polishing Protector	PPST6	\$13.00
Wide Diameter 6mm Conical Polishing Protector	WCPP6	\$14.50
<b>Waxing and Try-In Screws</b>		
Square Try-in Screw (5 Pack Only)	UNITS	\$95.00
MicroMiniplant™ Square Try-in Screw (5 Pack Only)	MUNITS	\$95.00
Abutment Waxing Screw/Guide Pin 10mm	WSK10	\$9.00

\*Use of square Gold-Tite™ UniScrew recommended.

[] Packaged with a square Gold-Tite UniScrew.

# RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Waxing and Try-In Screws (Continued)</b>		
Abutment Waxing Screw/Guide Pin 15mm	WSK15	\$9.00
Implant Laboratory Screw	WSU30	\$12.00
<b>Mechanical Drivers</b>		
Restorative Instrumentation System	PSDK0	\$1,900.00
Contra-Angle Torque Driver Kit	CATD0	\$788.00
Contra-Angle Torque Driver Body	CATDB	\$305.00
Contra-Angle Torque Driver Handle	CATDH	\$21.00
Contra-Angle Torque Control 10Ncm	CATC1	\$160.00
Contra-Angle Torque Control 20Ncm	CATC2	\$160.00
Contra-Angle Torque Control 32Ncm	CATC3	\$160.00
Contra-Angle Direct Drive	CADD0	\$325.00
Direct Drive Handle Only	CADD1	\$78.00
Restorative Torque Indicator	RTI2035	\$245.00
Restorative Torque Indicator Kit	RTI2035K	\$380.00
Restorative Torque Indicator Tray	RTI2035TR	\$68.00
Abutment Driver Driver Tip 24mm	RASA3	\$39.50
Small Hex Driver Tip 24mm	RASH2N	\$39.50
Small Hex Driver Tip 30mm	RASH7N	\$39.50
Large Hex Driver Tip 24mm	RASH3N	\$39.50
Large Hex Driver Tip 30mm	RASH8N	\$39.50
Square Driver Tip 24mm	RASQ3N	\$39.50
Square Driver Tip 30mm	RASQ8N	\$39.50
O-Ring Driver Tip 24mm	RAOR1	\$39.50
Dal-Ro Driver Tip	RADR1	\$39.50
TG Post Driver Tip	TGPDR1	\$38.00
TG Hex Abutment Driver Tip	TGADR1	\$38.00
Restorative System Delivery Tray	PSDT1	\$250.00
<b>Impression Drivers</b>		
Impression Coping Driver	ICD00	\$75.00
O-Ring Abutment Driver	PAD01	\$58.00
Dal-Ro Abutment Driver	PAD03	\$58.00
Posterior Abutment Driver 17mm	PAD00	\$105.00
Posterior Large Hex Driver 17mm	PHD02N	\$75.00
Posterior Small Hex Driver 17mm	PHD00N	\$75.00
Posterior Square Driver 17mm	PSQD0N	\$75.00
Standard Abutment Driver 24mm	PAD24	\$105.00
Standard Large Hex Driver 24mm	PHD03N	\$75.00
Standard Small Hex Driver 24mm	PHD01N	\$75.00
Standard Square Driver 24mm	PSQD1N	\$75.00
TG Hex Abutment Driver	TGAD00	\$87.50
TG Post/Gold Post™ Driver	TGPD1	\$87.50
<b>Lab Abutment Holders</b>		
MicroMiniplant™ Lab Abutment Holder 3.4mm (D)	LTAH5	\$34.00

\*Use of square Gold-Tite™ Uniscrew recommended.

j) Packaged with a square Gold-Tite Uniscrew.

## RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
Lab Abutment Holder for 4.1, 5.0 and 6.0mm (D) Platforms	LTAH7	\$34.00
Castable O-Ring System	OSOCA	\$36.00
Castable Dal-Ro System	DRCS1	\$36.00
Lapping Tool UCLA	LT150	\$25.50
Lapping Tool Standard Abutment	LT034	\$25.50
Lapping Tool UCLA Wide Diameter	WLT10	\$25.50
Reamer & Handle	RH600	\$30.00
Tube and Screw - 1.0mm diameter	TUS10	\$43.50
Tube and Screw - 1.2mm diameter	TUS12	\$43.50
Tube and Screw - 1.4mm diameter	TUS14	\$43.50
Fixing Pin - 1.0mm dia	FPN10	\$8.25
Fixing Pin - 1.2mm dia	FPN12	\$8.25
Fixing Pin - 1.4mm dia	FPN14	\$8.25
Prosthetic Angle Guide Kit	AG900	\$85.00
Tissue Measuring Post	TMP80	\$90.00
Screw Removing Kit	SRT10	\$305.00
Screw Removal Tool - Tap	SRT01	\$69.00
Screw Removal Tool - 1.04mm Drill	SRT02	\$53.00
Screw Removal Tool - 1.18mm Drill	SRT03	\$53.00
Screw Removal Tool - Extracting Drill	SRT04	\$48.00
Screw Removal Tool - Guide Handle	SRT05	\$98.00
Surgical Index Coping	IC100	\$67.00
Index Coping Drill Guide	IC106	\$19.00
Index Coping Drill	ID100	\$16.50
Tissue Punch for Miniplant/Standard Implants 4.1mm (D)	TP001	\$29.00
Tissue Punch for 5.0mm Implants	TP005	\$29.00
Tissue Punch for 6.0mm Implants	TP006	\$29.00
Patient Education Video - NTSC	VIDPE01	\$2.50
Patient Education Video - PAL	VIDPE02	\$2.50
Patient Education Video - Spanish - PAL	VIDPE - S01	\$2.50
Patient Education Video - Spanish - NTSC	VIDPE - S02	\$2.50
Modified Osteotome Sinus Craft and Chin Harvest - PAL	VIDS7	\$30.00
Modified Osteotome Sinus Craft and Chin Harvest - NTSC	VIDS6	\$30.00
"Dental Implants: Are They for Me?"	BKM01	\$30.00
"Surgical and Prosthetic Approach to Osseointegration with the 3i Implant System"	BKS03	\$104.00
"Implant Restorations: A Step-by-Step Guide for Dentists"	BKR05	\$139.00
"Implant Surgery & Prosthesis"	BKSP1	\$123.50
3X Model of 4.0mm UCLA Abutment and Screw	UCLAMOD4	\$20.00

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[] Packaged with a square Gold-Tite Uniscrew.

## RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
3X Model of 5.0mm UCLA Abutment and Screw	UCLAMOD5	\$20.00
3X Model of Square Gold-Tite™ UniScrew	UNISGMOD	\$10.00
3X Model of 5.0mm GingiHue™ Post	WPPGMOD1	\$20.00
Square Driver for 3X Abutment Screw	MODWRENCH	\$10.00

\*Use of square Gold-Tite™ Uniscrew recommended.

[] Packaged with a square Gold-Tite UniScrew.



# Surgical Products

## **Products Listed By Code Number**



## SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
2100-0001	Biogran 750mg Glass Syringe 2-Pack	\$136.00
2100-0002	Biogran 750mg Glass Syringe 7-Pack	\$445.00
2100-0003	Biogran 500mg Mixing Cup 7-Pack	\$305.00
2100-0004	Biogran 750mg Mixing Cup 7-Pack	\$410.00
2100-0005	Biogran 1500mg Mixing Cup 7-Pack	\$550.00
BIO2P	BioTack Two Pack	\$25.00
BIO3P	BioTack Three Pack	\$37.50
BIOAD	BioTack Angled Driver	\$145.00
BIOD1	BioTack Drill	\$52.00
BIOIS	BioTack™ Instrumentation System	\$695.00
BIOIT	BioTack Instrumentation Tray	\$275.00
BIOSD	BioTack Straight Driver	\$135.00
BP340	MicroMiniplant™ Bone Profiler - 3.4mm dia/4mm Flare	\$93.00
BP450	Miniplant/Standard Bone Profiler - 4.1mm dia/5mm Flare	\$93.00
BP460	Miniplant/Standard Bone Profiler - 4.1mm dia/6mm Flare	\$93.00
BP475	Miniplant/Standard Bone Profiler - 4.1mm dia/7.5mm Flare	\$93.00
BP550	Wide Diameter Bone Profiler 5mm dia/5mm Flare	\$93.00
BP560	Wide Diameter Bone Profiler 5mm dia/6mm Flare	\$93.00
BP575	Wide Diameter Bone Profiler 5mm dia/7.5mm Flare	\$93.00
BP660	Wide Diameter Bone Profiler 6mm dia/6mm Flare	\$93.00
BP675	Wide Diameter Bone Profiler 6mm dia/7.5mm Flare	\$93.00
BPAKT	Wide Diameter Bone Profiler Kit - 5.0/6.0mm Implants	\$407.00
BPAKTB	Organizer Box for Wide Diameter Bone Profiler Kit	\$39.50
BPKIT	Standard Diameter Bone Profiler Kit	\$247.50
BPKITB	Organizer Box for Standard Diameter Bone Profiler Kit	\$39.50
CD100	Countersink Drill for Miniplant®/Standard Diameter Threaded and Cylinder Implants	\$93.00
CD4500	Countersink Drill for 4/5mm Expanded Platform Osseotite Implant	\$118.50
CD500	Pilot/Countersink Drill for Wide Diameter Threaded Implants - 5.0mm	\$118.50
CD5600	Countersink Drill for 5/6mm Expanded Platform Osseotite Implant	\$118.50
CD600	Pilot/Countersink Drill for Wide Diameter Threaded Implants - 6.0mm	\$118.50
CS275	Headless Cover Screw	\$36.00
CS375	Implant Cover Screw	\$48.00
CS500	Implant Cover Screw for 5.0mm Top	\$48.00
CSI10	Miniplant/Standard Diameter Cover Screw Inserter	\$93.00
CSI50	Wide Diameter 5.0mm Cover Screw Inserter	\$93.00
CSI60	Wide Diameter 6.0mm Cover Screw Inserter	\$93.00
CSPHS	Surgical Pack - Hospital Standard	\$102.00
CSPOI	Surgical Pack - Office Standard (Internal Irrigation)	\$77.50
CSPOS	Surgical Pack - Office Standard	\$77.50
CW100	Open End Wrench	\$93.00
DC100	Countersink Drill	\$22.50
DC500	Pilot/Countersink Drill for Wide Diameter Threaded Implants - 5.0mm	\$22.50
DC600	Pilot/Countersink Drill for Wide Diameter Threaded Implants - 6.0mm	\$22.50
DDK210	3-Pack Single Patient Use Drill Kit for Implants - 10mm	\$28.00
DDK215	3-Pack Single Patient Use Drill Kit for Implants - 15mm	\$28.00
DDK220	3-Pack Single Patient Use Drill Kit for Implants - 20mm	\$28.00

## SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
DDK2710	5-Pack Single Patient Use Drill Kit for Osseotite XP 3/4 and Miniplants -Twist Drill 2.75mm x 10mm	\$56.00
DDK2715	5-Pack Single Patient Use Drill Kit for Osseotite XP 3/4 and Miniplants -Twist Drill 2.75mm x 15mm	\$56.00
DDK2720	5-Pack Single Patient Use Drill Kit for Osseotite XP 3/4 and Miniplants -Twist Drill 2.75mm x 20mm	\$58.50
DDK310	5-Pack Single Patient Use Drill Kit for Miniplants and Standard Diameter Implants - Twist Drill 3.0mm x 10mm	\$60.00
DDK315	5-Pack Single Patient Use Drill Kit for Miniplants and Standard Diameter Implants - Twist Drill 3.0mm x 15mm	\$60.00
DDK320	5-Pack Single Patient Use Drill Kit for Miniplants and Standard Diameter Implants - Twist Drill 3.0mm x 20mm	\$60.00
DDK3210	5-Pack Single Patient Use Drill Kit for Standard Diameter Implants -Twist Drill 3.25mm x 10mm	\$60.00
DDK3215	5-Pack Single Patient Use Drill Kit for Standard Diameter Implants -Twist Drill 3.25mm x 15mm	\$60.00
DDK3220	5-Pack Single Patient Use Drill Kit for Standard Diameter Implants -Twist Drill 3.25mm x 20mm	\$60.00
DE016	Drill Extension	\$39.50
DI100	Direction Indicator - 10mm	\$17.00
DI200	Direction Indicator - 15mm	\$19.00
DKTG10	3-Pack Single Patient Use Drill Kit for TG Osseotite Implants - 10mm	\$25.50
DKTG15	3-Pack Single Patient Use Drill Kit for TG Osseotite Implants - 15mm	\$25.50
DP020	Implant Depth Probe	\$108.50
DP100	Pilot Drill	\$17.00
DPS100	Pilot Shaping Drill for TG Osseotite Implants	\$17.00
DR100	Round Drill	\$17.00
DS2310	Drill Stop - 2/3.25mm x 10mm	\$5.00
DS2315	Drill Stop - 2/3.25mm x 15mm	\$5.00
DS2320	Drill Stop - 2/3.25mm x 20mm	\$5.00
DS4513	Drill Stop - 4.25/5.25mm x 13mm	\$5.00
DS4518	Drill Stop - 4.25/5.25mm x 18mm	\$5.00
DS458	Drill Stop - 4.25/5.25mm x 8.5mm	\$5.00
DSB100	Drill Stop Block	\$42.00
DT210	Twist Drill - 2.3mm x 10mm	\$17.00
DT215	Twist Drill - 2.3mm x 15mm	\$17.00
DT220	Twist Drill - 2.3mm x 20mm	\$17.00
DT2710	Twist Drill - 2.75mm x 10mm	\$16.50
DT2715	Twist Drill - 2.75mm x 15mm	\$16.50
DT2720	Twist Drill - 2.75mm x 20mm	\$18.00
DT310	Twist Drill - 3.0mm x 10mm	\$17.00
DT3110	Twist Drill - 3.15mm x 10mm	\$17.00
DT3115	Twist Drill - 3.15mm x 15mm	\$17.00
DT3120	Twist Drill - 3.15mm x 20mm	\$17.00
DT315	Twist Drill - 3.0mm x 15mm	\$17.00
DT320	Twist Drill - 3.0mm x 20mm	\$17.00
DT3210	Twist Drill - 3.25mm x 10mm	\$17.00

## SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
DT3215	Twist Drill - 3.25mm x 15mm	\$17.00
DT3220	Twist Drill - 3.25mm x 20mm	\$17.00
DT4218	Twist Drill - 4.25mm x 18mm	\$17.00
DT423	Twist Drill - 4.25mm x 13mm	\$17.00
DT428	Twist Drill - 4.25mm x 8.5mm	\$17.00
DT5218	Twist Drill - 5.25mm x 18mm	\$17.00
DT523	Twist Drill - 5.25mm x 13mm	\$17.00
DT528	Twist Drill - 5.25mm x 8.5mm	\$17.00
DU300	Surgical Drilling Unit	\$5,659.00
IC100	Surgical Index Coping Assembly	\$67.00
IC106	Index Coping Drill Guide	\$19.00
ICE310	Standard Diameter Implant - 3.75 x 10mm ICE Super Self-Tapping	\$215.00
ICE311	Standard Diameter Implant - 3.75 x 11.5mm ICE Super Self-Tapping	\$215.00
ICE313	Standard Diameter Implant - 3.75 x 13mm ICE Super Self-Tapping	\$215.00
ICE315	Standard Diameter Implant - 3.75 x 15mm ICE Super Self-Tapping	\$215.00
ICE318	Standard Diameter Implant - 3.75 x 18mm ICE Super Self-Tapping	\$215.00
ICE320	Standard Diameter Implant - 3.75 x 20mm ICE Super Self-Tapping	\$215.00
ICE385	Standard Diameter Implant - 3.75 x 8.5mm ICE® Super Self-Tapping	\$215.00
ICE410	Standard Diameter Implant - 4.0 x 10mm ICE Super Self-Tapping	\$215.00
ICE411	Standard Diameter Implant - 4.0 x 11.5mm ICE Super Self-Tapping	\$215.00
ICE413	Standard Diameter Implant - 4.0 x 13mm ICE Super Self-Tapping	\$215.00
ICE415	Standard Diameter Implant - 4.0 x 15mm ICE Super Self-Tapping	\$215.00
ICE418	Standard Diameter Implant - 4.0 x 18mm ICE Super Self-Tapping	\$215.00
ICE420	Standard Diameter Implant - 4.0 x 20mm ICE Super Self-Tapping	\$215.00
ICE485	Standard Diameter Implant - 4.0 x 8.5mm ICE Super Self-Tapping	\$215.00
ICE507	Wide Diameter Implant - 5.0 x 7mm ICE Super Self-Tapping	\$240.00
ICE510	Wide Diameter Implant - 5.0 x 10mm ICE Super Self-Tapping	\$240.00
ICE511	Wide Diameter Implant - 5.0 x 11.5mm ICE Super Self-Tapping	\$240.00
ICE513	Wide Diameter Implant - 5.0 x 13mm ICE Super Self-Tapping	\$240.00
ICE515	Wide Diameter Implant - 5.0 x 15mm ICE Super Self-Tapping	\$240.00
ICE518	Wide Diameter Implant - 5.0 x 18mm ICE Super Self-Tapping	\$240.00
ICE585	Wide Diameter Implant - 5.0 x 8.5mm ICE Super Self-Tapping	\$240.00
ICE607	Wide Diameter 6.0mm x 7mm ICE Super Self-Tapping	\$240.00
ICE610	Wide Diameter 6.0mm x 10mm ICE Super Self-Tapping	\$240.00
ICE611	Wide Diameter 6.0mm x 11.5mm ICE Super Self-Tapping	\$240.00
ICE613	Wide Diameter 6.0mm x 13mm ICE Super Self-Tapping	\$240.00
ICE615	Wide Diameter 6.0mm x 15mm ICE Super Self-Tapping	\$240.00
ICE618	Wide Diameter 6.0mm x 18mm ICE Super Self-Tapping	\$240.00
ICE685	Wide Diameter 6.0mm x 8.5mm ICE Super Self-Tapping	\$240.00
ID100	Index Coping Drill	\$16.50
IDG30	Cylinder Implant Depth Gauge - 3.3mm	\$38.50
IDG40	Cylinder Implant Depth Gauge - 4.0mm	\$49.50
IDG50	Cylinder Implant Depth Gauge - 5.0mm	\$49.50
IDG60	Cylinder Implant Depth Gauge - 6.0mm	\$49.50
IRI10	Implant Removal Instrument	\$66.00
ISI10	Implant Seating Instrument - Anterior	\$66.00
ISI15	Implant Seating Instrument - Posterior	\$66.00

## SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
ITD210	Tri-Spade Twist Drill - 2.3mm x 10mm (Internally Irrigated)	\$93.00
ITD215	Tri-Spade Twist Drill - 2.3mm x 15mm (Internally Irrigated)	\$93.00
ITD220	Tri-Spade Twist Drill - 2.3mm x 20mm (Internally Irrigated)	\$93.00
ITD2710	Tri-Spade Twist Drill - 2.75mm x 10mm (Internally Irrigated)	\$93.00
ITD2715	Tri-Spade Twist Drill - 2.75mm x 15mm (Internally Irrigated)	\$93.00
ITD2720	Tri-Spade Twist Drill - 2.75mm x 20mm (Internally Irrigated)	\$93.00
ITD310	Tri-Spade Twist Drill - 3.0mm x 10mm (Internally Irrigated)	\$93.00
ITD3110	Tri-Spade Twist Drill - 3.15mm x 10mm (Internally Irrigated)	\$93.00
ITD3115	Tri-Spade Twist Drill - 3.15mm x 15mm (Internally Irrigated)	\$93.00
ITD3120	Tri-Spade Twist Drill - 3.15mm x 20mm (Internally Irrigated)	\$93.00
ITD315	Tri-Spade Twist Drill - 3.0mm x 15mm (Internally Irrigated)	\$93.00
ITD320	Tri-Spade Twist Drill - 3.0mm x 20mm (Internally Irrigated)	\$93.00
ITD3210	Tri-Spade Twist Drill - 3.25mm x 10mm (Internally Irrigated)	\$93.00
ITD3215	Tri-Spade Twist Drill - 3.25mm x 15mm (Internally Irrigated)	\$93.00
ITD3220	Tri-Spade Twist Drill - 3.25mm x 20mm (Internally Irrigated)	\$93.00
ITD4218	Tri-Spade Twist Drill - 4.25mm x 18mm (Internally Irrigated)	\$118.50
ITD423	Tri-Spade Twist Drill - 4.25mm x 13mm (Internally Irrigated)	\$118.50
ITD428	Tri-Spade Twist Drill - 4.25mm x 8.5mm (Internally Irrigated)	\$118.50
ITD5218	Tri-Spade Twist Drill - 5.25mm x 18mm (Internally Irrigated)	\$118.50
ITD523	Tri-Spade Twist Drill - 5.25mm x 13mm (Internally Irrigated)	\$118.50
ITD528	Tri-Spade Twist Drill - 5.25mm x 8.5mm (Internally Irrigated)	\$118.50
MALL1	Mallet	\$49.50
MDR10	Hand-Piece Connector	\$101.00
ME100	Single End Membrane Elevator	\$49.50
ME200	Double End Membrane Elevator - Medium	\$66.00
ME300	Double End Membrane Elevator - Large	\$66.00
MH310	Miniplant - 3.25 x 10mm ICE Super Self-Tapping	\$215.00
MH311	Miniplant - 3.25 x 11.5mm ICE Super Self-Tapping	\$215.00
MH313	Miniplant - 3.25 x 13mm ICE Super Self-Tapping	\$215.00
MH315	Miniplant - 3.25 x 15mm ICE Super Self-Tapping	\$215.00
MH385	Miniplant - 3.25 x 8.5mm ICE Super Self-Tapping	\$215.00
MHA32	MicroMiniplant™ 3.8 x 2mm EP® One-Piece Healing Abutment	\$35.00
MHA34	MicroMiniplant 3.8 x 4mm EP One-Piece Healing Abutment	\$35.00
MHA36	MicroMiniplant 3.8 x 6mm EP One-Piece Healing Abutment	\$37.00
MM310	MicroMiniplant - 3.25 x 10mm ICE Super Self-Tapping	\$215.00
MM311	MicroMiniplant - 3.25 x 11.5mm ICE Super Self-Tapping	\$215.00
MM313	MicroMiniplant - 3.25 x 13mm ICE Super Self-Tapping	\$215.00
MM315	MicroMiniplant - 3.25 x 15mm ICE Super Self-Tapping	\$215.00
MM318	MicroMiniplant - 3.25 x 18mm ICE Super Self-Tapping	\$215.00
MM385	MicroMiniplant - 3.25 x 8.5mm ICE Super Self-Tapping	\$215.00
MMC03	MicroMiniplant Mount - 3mm	\$98.00
MMC15	MicroMiniplant Mount - 15mm	\$98.00
MMCS1	MicroMiniplant Cover Screw	\$32.00
MODELBASE	Implant Model Base	\$0.00
MT234	MicroMiniplant 3.8 x 4mm EP Two-Piece Healing Abutment	\$40.00
MT236	MicroMiniplant 3.8 x 6mm EP Two-Piece Healing Abutment	\$40.00
MT254	MicroMiniplant 5.0 x 4mm EP Two-Piece Healing Abutment	\$40.00

## SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
MT256	MicroMiniplant 5.0 x 6mm EP Two-Piece Healing Abutment	\$40.00
MTAP1	MicroMiniplant®/Miniplant Bone Tap - 18mm	\$93.00
MTAP2	MicroMiniplant/Miniplant Bone Tap (27mm L) - 18mm	\$93.00
OFDR3	OsseoFix Drill 3mm	\$53.00
OFDR4	OsseoFix Drill 4mm	\$53.00
OFDR8	OsseoFix Drill 8mm	\$53.00
OFKAC	OsseoFix Select Autoclave Case	\$158.50
OFKBC1	OsseoFix Microplate Bender/Cutter	\$132.50
OFKIT2	OsseoFix Guided Bone Regeneration System	\$2,530.00
OFKT1	OsseoFix System Organizer Tray	\$296.00
OFKT2	OsseoFix Select System Tray	\$202.00
OFLD9	OsseoFix Drill - Lag 9mm	\$54.00
OFLDQ1	OsseoFix Squaredrive Long Screwdriver	\$158.00
OFMS0	Membrane Stabilizer/Punch Single Point	\$43.00
OFMS1	Membrane Stabilizer Double Point	\$136.00
OFP01	OsseoFix Microplate - Single Row	\$48.00
OFP03	OsseoFix Microplate - Three Row	\$90.00
OFPDQ1	OsseoFix Squaredrive Posterior Screwdriver	\$100.00
OFRAQ1	OsseoFix Squaredrive Right Angle	\$80.00
OFRD1	OsseoFix 1mm Round Drill	\$24.50
OFSKT	OsseoFix Select Membrane Stabilizing System	\$831.50
OFSQ110	OsseoFix Square Drive Screw 5pk 1mm x 10mmL	\$108.00
OFSQ112	OsseoFix Square Drive Screw 5pk 1mm x 12mmL	\$108.00
OFSQ13	OsseoFix Square Drive Screw 5pk 1mm x 3mmL	\$108.00
OFSQ14	OsseoFix Square Drive Screw 5pk 1mm x 4mmL	\$108.00
OFSQ16	OsseoFix Square Drive Screw 5pk 1mm x 6mmL	\$108.00
OFSQ18	OsseoFix Square Drive Screw 5pk 1mm x 8mmL	\$108.00
OFSQW10	OsseoFix Square Drive Screw 5pk 1.2mm x 10mmL	\$108.00
OFSQW12	OsseoFix Square Drive Screw 5pk 1.2mm x 12mmL	\$108.00
OFSQW3	OsseoFix Square Drive Screw 5pk 1.2mm x 3mmL	\$108.00
OFSQW4	OsseoFix Square Drive Screw 5pk 1.2mm x 4mmL	\$108.00
OFSQW6	OsseoFix Square Drive Screw 5pk 1.2mm x 6mmL	\$108.00
OFSQW8	OsseoFix Square Drive Screw 5pk 1.2mm x 8mmL	\$108.00
OS3210	3/4 Osseotite XP Miniplant - 3.25 x 10mm	\$240.00
OS3211	3/4 Osseotite XP Miniplant - 3.25 x 11.5mm	\$240.00
OS3213	3/4 Osseotite XP Miniplant - 3.25 x 13mm	\$240.00
OS3215	3/4 Osseotite XP Miniplant - 3.25 x 15mm	\$240.00
OS3218	3/4 Osseotite XP Miniplant - 3.25 x 18mm	\$240.00
OS3285	3/4 Osseotite XP™ Miniplant® - 3.25 x 8.5mm	\$240.00
OS4510	4/5 Osseotite XP Implant - 4mm Body/5mm Top x 10mm Long	\$255.00
OS4511	4/5 Osseotite XP Implant - 4mm Body/5mm Top x 11.5mm Long	\$255.00
OS4513	4/5 Osseotite XP Implant - 4mm Body/5mm Top x 13mm Long	\$255.00
OS4515	4/5 Osseotite XP Implant - 4mm Body/5mm Top x 15mm Long	\$255.00
OS4585	4/5 Osseotite XP™ Implant - 4mm Body/5mm Top x 8.5mm Long	\$255.00
OS5610	5/6 Osseotite XP Implant - 5mm Body/6mm Top x 10mm Long	\$255.00
OS5611	5/6 Osseotite XP Implant - 5mm Body/6mm Top x 11.5mm Long	\$255.00
OS5613	5/6 Osseotite XP Implant - 5mm Body/6mm Top x 13mm Long	\$255.00

## SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
PD100	Pilot Drill 2mm - 3mm	\$93.00
PD500	Pilot Drill for Wide Diameter Cylinder Implants - 5.0mm	\$118.50
PD600	Pilot Drill for Wide Diameter Cylinder Implants - 6.0mm	\$118.50
PMKIT	Pre-Angled Surgical Guide Kit	\$307.00
PSD100	Pilot Shaping Drill 2/3mm for TG Osseotite Implants	\$93.00
PSKT10	Basic Plastic Surgical Kit for Threaded Implants	\$1,575.00
PSKT20	Standard Plastic Surgical Kit for Threaded Implants	\$2,495.00
PTT300	Plastic Surgical Tray	\$550.00
QBM001	Quetin Bone-Mill, Stainless Steel	\$2,250.00
RD100	Round Drill	\$32.00
RE100	Ratchet Extension - 6mm	\$74.50
RE200	Ratchet Extension - 15mm	\$84.50
RMB30	Radiographic Marking Balls - 30 Pack	\$18.00
SEKT1	Sinus Elevation Kit	\$484.50
SEKTR	Sinus Elevation Kit Tray Only	\$149.50
SGT25	Stent Guide Tubes - 25 Pack	\$28.00
SKT10	Basic Surgical Kit for Threaded Implants	\$1,004.50
SKT20	Standard Surgical Kit for Threaded Implants	\$2,750.00
SKT20A	Standard Surgical Kit for Threaded Implants without Drills	\$2,008.50
SKT22	Surgical Kit for 5.0/6.0mm Wide Diameter Threaded Implants	\$1,596.50
SKT23	Surgical Kit for 3.3/4.0/4.25mm Cylinder Implants	\$572.00
SKT24	Surgical Kit for 5.0/6.0mm Wide Diameter Cylinder Implants	\$793.00
SKT25	Standard Surgical Kit for Cylinder Implants	\$2,729.50
SKT25A	Standard Surgical Kit for Cylinder Implants without Drills	\$1,596.50
ST310	Standard Diameter Implant - 3.75 x 10mm ST Self-Tapping Threaded	\$185.00
ST311	Standard Diameter Implant - 3.75 x 11.5mm ST Self-Tapping Threaded	\$185.00
ST313	Standard Diameter Implant - 3.75 x 13mm ST Self-Tapping Threaded	\$185.00
ST315	Standard Diameter Implant - 3.75 x 15mm ST Self-Tapping Threaded	\$185.00
ST318	Standard Diameter Implant - 3.75 x 18mm ST Self-Tapping Threaded	\$185.00
ST320	Standard Diameter Implant - 3.75 x 20mm ST Self-Tapping Threaded	\$185.00
ST385	Standard Diameter Implant - 3.75 x 8.5mm ST Self-Tapping Threaded	\$185.00
ST410	Standard Diameter Implant - 4.0 x 10mm ST Self-Tapping Threaded	\$185.00
ST411	Standard Diameter Implant - 4.0 x 11.5mm ST Self-Tapping Threaded	\$185.00
ST413	Standard Diameter Implant - 4.0 x 13mm ST Self-Tapping Threaded	\$185.00
ST415	Standard Diameter Implant - 4.0 x 15mm ST Self-Tapping Threaded	\$185.00
ST418	Standard Diameter Implant - 4.0 x 18mm ST Self-Tapping Threaded	\$185.00
ST420	Standard Diameter Implant - 4.0 x 20mm ST Self-Tapping Threaded	\$185.00
ST485	Standard Diameter Implant - 4.0 x 8.5mm ST Self-Tapping Threaded	\$185.00
TAP10	Standard Diameter Bone Tap - 10mm	\$93.00
TAP13	Standard Diameter Bone Tap - 13mm	\$93.00
TAP20	Standard Diameter Bone Tap - 20mm	\$93.00
TAP410	Bone Tap - 4.0mm Diameter x 10mm	\$93.00
TAP413	Bone Tap - 4.0mm Diameter x 13mm	\$93.00
TAP420	Bone Tap - 4.0mm Diameter x 20mm	\$93.00
TAP518S	Wide Diameter Bone Tap - 5.0mm x 18mm	\$118.50
TAP53S	Wide Diameter Bone Tap - 5.0mm x 13mm	\$118.50
TAP58S	Wide Diameter Bone Tap - 5.0mm x 8.5mm	\$118.50

## SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
TAP618S	Wide Diameter Bone Tap - 6.0mm x 18mm	\$118.50
TAP63S	Wide Diameter Bone Tap - 6.0mm x 13mm	\$118.50
TAP68S	Wide Diameter Bone Tap - 6.0mm x 8.5mm	\$118.50
TC012	Titanium Curette 11/12 Gracey Configuration	\$41.00
TC034	Titanium Curette 13/14 Gracey Configuration	\$41.00
TC078	Titanium Curette 7/8 Gracey Configuration	\$41.00
TCB33	Tri-Flute Cylinder Bur - 3.3mm x 13mm	\$93.00
TCB38	Tri-Flute Cylinder Bur - 3.3mm x 18mm	\$93.00
TCB423	Tri-Flute Cylinder Bur - 4.25mm x 13mm	\$93.00
TCB428	Tri-Flute Cylinder Bur - 4.25mm x 18mm	\$93.00
TCB43	Tri-Flute Cylinder Bur - 4.0mm x 13mm	\$93.00
TCB48	Tri-Flute Cylinder Bur - 4.0mm x 18mm	\$93.00
TCB53	Tri-Flute Cylinder Bur - 5.0mm x 13mm	\$118.50
TCB58	Tri-Flute Cylinder Bur - 5.0mm x 8.5mm	\$118.50
TCB63	Tri-Flute Cylinder Bur - 6.0mm x 13mm	\$118.50
TCB68	Tri-Flute Cylinder Bur - 6.0mm x 8.5mm	\$118.50
TCKIT	Titanium Curette Kit	\$82.50
TD210	Twist Drill - 2.3mm x 10mm	\$93.00
TD215	Twist Drill - 2.3mm x 15mm	\$93.00
TD220	Twist Drill - 2.3mm x 20mm	\$93.00
TD310	Twist Drill - 3.0mm x 10mm	\$93.00
TD3110	Twist Drill - 3.15mm x 10mm	\$93.00
TD3115	Twist Drill - 3.15mm x 15mm	\$93.00
TD3120	Twist Drill - 3.15mm x 20mm	\$93.00
TD315	Twist Drill - 3.0mm x 15mm	\$93.00
TD320	Twist Drill - 3.0mm x 20mm	\$93.00
TD3210	Twist Drill - 3.25mm x 10mm	\$93.00
TD3215	Twist Drill - 3.25mm x 15mm	\$93.00
TD3220	Twist Drill - 3.25mm x 20mm	\$93.00
TE003	Titanium Elevator	\$137.00
TF002	Titanium Forceps	\$129.00
TG2310	TG Osseotite 3.25mm x 10mm - 1.8 collar height	\$235.00
TG2311	TG Osseotite 3.25mm x 11.5mm - 1.8 collar height	\$235.00
TG2313	TG Osseotite 3.25mm x 13mm - 1.8 collar height	\$235.00
TG2315	TG Osseotite 3.25mm x 15mm - 1.8 collar height	\$235.00
TG2385	TG Osseotite™ 3.25mm x 8.5mm - 1.8 collar height	\$235.00
TG2410	TG Osseotite 4mm x 10mm - 1.8 collar height	\$235.00
TG2411	TG Osseotite 4mm x 11.5mm - 1.8 collar height	\$235.00
TG2413	TG Osseotite 4mm x 13mm - 1.8 collar height	\$235.00
TG2415	TG Osseotite 4mm x 15mm - 1.8 collar height	\$235.00
TG2485	TG Osseotite 4mm x 8.5mm - 1.8 collar height	\$235.00
TG2510	TG Osseotite 5mm x 10mm - 1.8 collar height	\$250.00
TG2511	TG Osseotite 5mm x 11.5mm - 1.8 collar height	\$250.00
TG2513	TG Osseotite 5mm x 13mm - 1.8 collar height	\$250.00
TG2515	TG Osseotite 5mm x 15mm - 1.8 collar height	\$250.00
TG2585	TG Osseotite 5mm x 8.5mm - 1.8 collar height	\$250.00
TG3310	TG Osseotite 3.25mm x 10mm - 2.8 collar height	\$235.00



## SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
TG3311	TG Osseotite 3.25mm x 11.5mm - 2.8 collar height	\$235.00
TG3313	TG Osseotite 3.25mm x 13mm - 2.8 collar height	\$235.00
TG3315	TG Osseotite 3.25mm x 15mm - 2.8 collar height	\$235.00
TG3385	TG Osseotite 3.25mm x 8.5mm - 2.8 collar height	\$235.00
TG3410	TG Osseotite 4mm x 10mm - 2.8 collar height	\$235.00
TG3411	TG Osseotite 4mm x 11.5mm - 2.8 collar height	\$235.00
TG3413	TG Osseotite 4mm x 13mm - 2.8 collar height	\$235.00
TG3415	TG Osseotite 4mm x 15mm - 2.8 collar height	\$235.00
TG3485	TG Osseotite 4mm x 8.5mm - 2.8 collar height	\$235.00
TG3510	TG Osseotite 5mm x 10mm - 2.8 collar height	\$250.00
TG3511	TG Osseotite 5mm x 11.5mm - 2.8 collar height	\$250.00
TG3513	TG Osseotite 5mm x 13mm - 2.8 collar height	\$250.00
TG3515	TG Osseotite 5mm x 15mm - 2.8 collar height	\$250.00
TG3585	TG Osseotite 5mm x 8.5mm - 2.8 collar height	\$250.00
TGCS05	TG Cover Screw - 0.5mm	\$20.00
TGCS10	TG Cover Screw - 1mm	\$25.00
TGCS20	TG Cover Screw - 2mm	\$40.00
TGCS30	TG Cover Screw - 3mm	\$40.00
TGCS40	TG Cover Screw - 4mm	\$40.00
TGCS50	TG Cover Screw - 5mm	\$40.00
TGKIT	TG Osseotite™ Placement Kit	\$309.00
TGPRM	TG Osseotite™ Positive Reversal Mount	\$50.00
TGMOD1	TG Osseotite Implant 2mm Collar, 4.0mm x 13.0mm with post, 3X Model	\$40.00
TH254	Miniplant/Standard Diameter 5.0 x 4mm EP Two-Piece Healing Abutment	\$36.00
TH256	Miniplant/Standard Diameter 5.0 x 6mm EP Two-Piece Healing Abutment	\$36.00
TH258	Miniplant/Standard Diameter 5.0 x 8mm EP Two-Piece Healing Abutment	\$36.00
TH264	Miniplant/Standard Diameter 6.0 x 4mm EP Two-Piece Healing Abutment	\$44.00
TH266	Miniplant/Standard Diameter 6.0 x 6mm EP Two-Piece Healing Abutment	\$44.00
TH268	Miniplant/Standard Diameter 6.0 x 8mm EP Two-Piece Healing Abutment	\$44.00
TH274	Miniplant/Standard Diameter 7.5 x 4mm EP Two-Piece Healing Abutment	\$44.00
TH276	Miniplant/Standard Diameter 7.5 x 6mm EP Two-Piece Healing Abutment	\$44.00
TH278	Miniplant/Standard Diameter 7.5 x 8mm EP Two-Piece Healing Abutment	\$44.00
TH310	Miniplant - 3.3 x 10mm Cylinder	\$215.00
TH313	Miniplant - 3.3 x 13mm Cylinder	\$215.00
TH315	Miniplant - 3.3 x 15mm Cylinder	\$215.00
TH385	Miniplant - 3.3 x 8.5mm Cylinder	\$215.00
THA52	Miniplant®/Standard Diameter 5.0 x 2mm EP One-Piece Healing Abutment	\$30.00
THA54	Miniplant/Standard Diameter 5.0 x 4mm EP One-Piece Healing Abutment	\$30.00
THA56	Miniplant/Standard Diameter 5.0 x 6mm EP One-Piece Healing Abutment	\$30.00
THA58	Miniplant/Standard Diameter 5.0 x 8mm EP One-Piece Healing Abutment	\$30.00
THA64	Miniplant/Standard Diameter 6.0 x 4mm EP One-Piece Healing Abutment	\$38.00
THA66	Miniplant/Standard Diameter 6.0 x 6mm EP One-Piece Healing Abutment	\$38.00
THA68	Miniplant/Standard Diameter 6.0 x 8mm EP One-Piece Healing Abutment	\$38.00
THA74	Miniplant/Standard Diameter 7.5 x 4mm EP One-Piece Healing Abutment	\$38.00
THA76	Miniplant/Standard Diameter 7.5 x 6mm EP One-Piece Healing Abutment	\$38.00
THA78	Miniplant/Standard Diameter 7.5 x 8mm EP One-Piece Healing Abutment	\$38.00
TIBC1	Titanium Coated Bone Carrier	\$147.50

## SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
T1PL1	Titanium Plugger - Large	\$49.50
T1PS1	Titanium Plugger - Small	\$49.50
TM310	Microminiplant - 3.3 x 10mm Cylinder	\$215.00
TM313	Microminiplant - 3.3 x 13mm Cylinder	\$215.00
TM315	Microminiplant - 3.3 x 15mm Cylinder	\$215.00
TM385	Microminiplant - 3.3 x 8.5mm Cylinder	\$215.00
TMP80	Tissue Measuring Post	\$90.00
TP001	Tissue Punch Standard	\$29.00
TP005	Tissue Punch 5.0mm	\$29.00
TP006	Tissue Punch 6.0mm	\$29.00
TP407	Standard Diameter Implant - 4.0 x 7mm Cylinder	\$215.00
TP410	Standard Diameter Implant - 4.0 x 10mm Cylinder	\$215.00
TP413	Standard Diameter Implant - 4.0 x 13mm Cylinder	\$215.00
TP415	Standard Diameter Implant - 4.0 x 15mm Cylinder	\$215.00
TP418	Standard Diameter Implant - 4.0 x 18mm Cylinder	\$215.00
TP485	Standard Diameter Implant - 4.0 x 8.5mm Cylinder	\$215.00
TP507	Wide Diameter Implant - 5.0 x 7mm Cylinder	\$250.00
TP510	Wide Diameter Implant - 5.0 x 10mm Cylinder	\$250.00
TP513	Wide Diameter Implant - 5.0 x 13mm Cylinder	\$250.00
TP585	Wide Diameter Implant - 5.0 x 8.5mm Cylinder	\$250.00
TP607	Wide Diameter 6.0mm x 7mm Cylinder	\$250.00
TP610	Wide Diameter 6.0mm x 10mm Cylinder	\$250.00
TP613	Wide Diameter 6.0mm x 13mm Cylinder	\$250.00
TP685	Wide Diameter 6.0mm x 8.5mm Cylinder	\$250.00
TRE02	Trephine Bur 2mm dia	\$105.00
TRE04	Trephine Bur 4mm dia	\$105.00
TRE05	Trephine Bur 5mm dia	\$105.00
TRE06	Trephine Bur 6mm dia	\$105.00
TRE08	Trephine Bur 8mm dia	\$105.00
TST01	Titanium Suction Tip	\$136.00
TT250	Aluminum Surgical Tray	\$360.50
TT300	Surgical Tray and Blue Drill Organizing Block	\$850.00
WDP02	Wide Implant Depth Probe	\$129.00
WR150	Ratchet Wrench	\$180.50
WT2554	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 5.0 x 4mm	\$49.00
WT2556	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 5.0 x 6mm	\$49.00
WT2558	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 5.0 x 8mm	\$49.00
WT2564	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 6.0 x 4mm	\$49.00
WT2566	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 6.0 x 6mm	\$49.00
WT2568	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 6.0 x 8mm	\$49.00
WT2574	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 7.5 x 4mm	\$49.00
WT2576	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 7.5 x 6mm	\$49.00
WT2578	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 7.5 x 8mm	\$49.00
WT2664	Wide Diameter 6.0mm EP Two-Piece Healing Abutment 6.0 x 4mm	\$49.00
WT2666	Wide Diameter 6.0mm EP Two-Piece Healing Abutment 6.0 x 6mm	\$49.00
WT2668	Wide Diameter 6.0mm EP Two-Piece Healing Abutment 6.0 x 8mm	\$49.00
WT2674	Wide Diameter 6.0mm EP Two-Piece Healing Abutment 7.5 x 4mm	\$49.00

## SURGICAL PRODUCTS BY PRODUCT CODE

<b>Catalog Number</b>	<b>Description</b>	<b>Price Each</b>
WT2676	Wide Diameter 6.0mm EP Two-Piece Healing Abutment 7.5 x 6mm	\$49.00
WT2678	Wide Diameter 6.0mm EP Two-Piece Healing Abutment 7.5 x 8mm	\$49.00
WTH52	Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 2mm	\$43.00
WTH54	Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 4mm	\$43.00
WTH56	Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 6mm	\$43.00
WTH562	Wide Diameter 5.0mm EP One-Piece Healing Abutment 6.0 x 2mm	\$43.00
WTH564	Wide Diameter 5.0mm EP® One-Piece Healing Abutment 6.0 x 4mm	\$43.00
WTH566	Wide Diameter 5.0mm EP One-Piece Healing Abutment 6.0 x 6mm	\$43.00
WTH568	Wide Diameter 5.0mm EP One-Piece Healing Abutment 6.0 x 8mm	\$43.00
WTH572	Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 2mm	\$43.00
WTH574	Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 4mm	\$43.00
WTH576	Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 6mm	\$43.00
WTH578	Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 8mm	\$43.00
WTH58	Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 8mm	\$43.00
WTH62	Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 2mm	\$43.00
WTH64	Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 4mm	\$43.00
WTH66	Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 6mm	\$43.00
WTH672	Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 2mm	\$43.00
WTH674	Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 4mm	\$43.00
WTH676	Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 6mm	\$43.00
WTH678	Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 8mm	\$43.00
WTH68	Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 8mm	\$43.00
XDG00	Gelb Radiographic Depth Gauge Kit	\$95.00
XPMOD1	Osseotite XP Implant 4/5mm x 13.0mm, 3X Model	\$40.00

## RESTORATIVE PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
CSQ06	Conical Pick-up Coping 6mm Emergence Profile Non-Hexed	\$20.00
CSQ07	Conical Pick-up Coping 7.5mm Emergence Profile Non-Hexed	\$20.00
CSQ17	Conical Pick-up Coping 5mm Emergence Profile Non-Hexed	\$20.00
CSQN6	Conical Pick-up Coping 6mm Emergence Profile Hexed	\$30.00
CSQN7	Conical Pick-up Coping 7.5mm Emergence Profile Hexed	\$30.00
DRA20	Dal-Ro Abutment 2mm	\$118.00
DRA40	Dal-Ro Abutment 4mm	\$118.00
DRA60	Dal-Ro Abutment 6mm	\$118.00
DRCS1	Castable Dal-Ro System	\$36.00
FPN10	Fixing Pin - 1.0mm dia	\$8.25
FPN12	Fixing Pin - 1.2mm dia	\$8.25
FPN14	Fixing Pin - 1.4mm dia	\$8.25
GPA01	Gold Post™ Abutment 1mm	\$125.00
GPA02	Gold Post Abutment 2mm	\$125.00
GPA03	Gold Post Abutment 3mm	\$125.00
GPA04	Gold Post Abutment 4mm	\$125.00
GSH20	Gold-Tite™ Hex Retaining Screw 2mm	\$22.00
GSH30	Gold-Tite Hex Retaining Screw 3mm	\$22.00
GSH70	Gold-Tite Hex Retaining Screw 7mm	\$30.00
GUCA1C	*UCLA Gold Hexed Abutment Cylinder	\$90.00
GUCA2C	*UCLA Gold Non-Hexed Abutment Cylinder	\$90.00
IC100	Surgical Index Coping	\$67.00
IC106	Index Coping Drill Guide	\$19.00
ICD00	Impression Coping Driver	\$75.00
IIC12	Implant Pick-up Coping 5mm	\$38.00
IIC45	Implant Twist Lock™ Coping 5mm	\$38.00
IIC46	Implant Twist Lock Coping 6mm	\$38.00
IIC47	Implant Twist Lock Coping 7.5mm	\$38.00
IIC60	Implant Pick-up Coping 6mm	\$38.00
IIC75	Implant Pick-up Coping 7.5mm	\$38.00
ILA20	Implant Lab Analog	\$17.00
ILAW5	Wide Diameter 5mm Implant Lab Analog	\$24.00
ILAW6	Wide Diameter 6mm Implant Lab Analog	\$24.00
ITCH0	Miniplant®/Standard Diameter Implant Temporary Cylinder Hexed	\$48.00
ITCH1	Miniplant/Standard Diameter Implant Temporary Cylinder Non-Hexed	\$48.00
ID100	Index Coping Drill	\$16.50
LT034	Lapping Tool Standard Abutment	\$25.50
LT150	Lapping Tool UCLA	\$25.50
LTAH5	MicroMiniplant™ Lab Abutment Holder 3.4mm (D)	\$34.00
LTAH7	Lab Abutment Holder for 4.1, 5.0 and 6.0mm (D) Platforms	\$34.00
MAP32G	*MicroMiniplant GingiHue™ Post 3.4mm x 3.8mm x 2mm	\$75.00
MAP34G	*MicroMiniplant™ GingiHue™ Post 3.4mm x 3.8mm x 4mm	\$75.00
MCA31	MicroMiniplant Conical Abutment 1mm	\$120.00
MCA32	MicroMiniplant Conical Abutment 2mm	\$120.00
MCA33	MicroMiniplant Conical Abutment 3mm	\$120.00
MCA34	MicroMiniplant Conical Abutment 4mm	\$120.00

\*Use of Gold-Tite™ Uniscrew recommended

## RESTORATIVE PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
MCAG1	MicroMiniplant™ Conical Gold Cylinder Hexed	\$78.00
MCAG2	MicroMiniplant Conical Gold Cylinder Non-Hexed	\$64.00
MCTC1	MicroMiniplant Conical Temporary Cylinder Hexed	\$25.00
MCTC2	MicroMiniplant Conical Temporary Cylinder Non-Hexed	\$25.00
MEC33	MicroMiniplant Conical Coping	\$35.00
MHC33	MicroMiniplant Conical Healing Cap	\$18.00
MIC33	MicroMiniplant Pick-up Coping	\$37.00
MMCLA	MicroMiniplant Conical Lab Analog	\$16.00
MMILA	MicroMiniplant Implant Lab Analog	\$17.00
MMTc1	MicroMiniplant Implant Temporary Cylinder Hexed Only	\$48.00
MODWRENCH	Square Driver for 3X UniScrew	\$10.00
MPAP32G	*MicroMiniplant 15° Pre-Angled GingiHue™ Post 3.4mm x 3.8mm x 2mm	\$95.00
MPAP34G	*MicroMiniplant 15° Pre-Angled GingiHue Post 3.4mm x 3.8mm x 4mm	\$95.00
MUCG1C	*MicroMiniplant Gold UCLA Abutment Cylinder Hexed	\$90.00
MUNITS	MicroMiniplant Square Try-in Screw (5 Pack Only)	\$95.00
OSO20	O-Ring Abutment 2mm	\$118.00
OSO40	O-Ring Abutment 4mm	\$118.00
OSO60	O-Ring Abutment 6mm	\$118.00
OSOCA	Castable O-Ring System	\$36.00
PA152C	*Pre-Angled Abutment 15° x 2mm Cylinder	\$121.00
PA154C	*Pre-Angled Abutment 15° x 4mm Cylinder	\$121.00
PA156C	*Pre-Angled Abutment 15° x 6mm Cylinder	\$121.00
PA252C	*Pre-Angled Abutment 25° x 2mm Cylinder	\$130.00
PA254C	*Pre-Angled Abutment 25° x 4mm Cylinder	\$130.00
PA256C	*Pre-Angled Abutment 25° x 6mm Cylinder	\$130.00
PAD00	Posterior Abutment Driver 17mm	\$105.00
PAD01	O-Ring Abutment Driver	\$58.00
PAD03	Dal-Ro Abutment Driver	\$58.00
PAD24	Standard Abutment Driver 24mm	\$105.00
PAP452G	*15° Pre-Angled GingiHue™ Post 4.1mm x 5mm x 2mm	\$95.00
PAP454G	*15° Pre-Angled GingiHue Post 4.1mm x 5mm x 4mm	\$95.00
PAP462G	*15° Pre-Angled GingiHue Post 4.1mm x 6mm x 2mm	\$95.00
PAP464G	*15° Pre-Angled GingiHue Post 4.1mm x 6mm x 4mm	\$95.00
PAP472G	*15° Pre-Angled GingiHue Post 4.1mm x 7.5mm x 2mm	\$95.00
PAP474G	*15° Pre-Angled GingiHue Post 4.1mm x 7.5mm x 4mm	\$95.00
PAP552G	*15° Pre-Angled GingiHue Post 5mm x 5mm x 2mm	\$98.00
PAP554G	*15° Pre-Angled GingiHue Post 5mm x 5mm x 4mm	\$98.00
PAP562G	*15° Pre-Angled GingiHue Post 5mm x 6mm x 2mm	\$98.00
PAP564G	*15° Pre-Angled GingiHue Post 5mm x 6mm x 4mm	\$98.00
PAP572G	*15° Pre-Angled GingiHue™ Post 5mm x 7.5mm x 2mm	\$98.00
PAP574G	*15° Pre-Angled GingiHue Post 5mm x 7.5mm x 4mm	\$98.00
PAP662G	*15° Pre-Angled GingiHue Post 6mm x 6mm x 2mm	\$98.00
PAP664G	*15° Pre-Angled GingiHue Post 6mm x 6mm x 4mm	\$98.00
PAP672G	*15° Pre-Angled GingiHue Post 6mm x 7.5mm x 2mm	\$98.00
PAP674G	*15° Pre-Angled GingiHue Post 6mm x 7.5mm x 4mm	\$98.00

\*Use of Gold-Tite™ Uniscrew recommended

## RESTORATIVE PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
PHD00N	Posterior Small Hex Driver 17mm	\$75.00
PHD01N	Standard Small Hex Driver 24mm	\$75.00
PHD02N	Posterior Large Hex Driver 17mm	\$75.00
PHD03N	Standard Large Hex Driver 24mm	\$75.00
PPCA3	Conical Polishing Protector	\$14.50
PPIA3	Miniplant®/Standard Implant Polishing Protector	\$14.50
PPMC1	MicroMiniplant™ Conical Polishing Protector	\$14.50
PPMM1	MicroMiniplant Implant Polishing Protector	\$14.50
PPSA3	Standard Abutment Polishing Protector	\$14.50
PPST5	STA® Polishing Protector	\$13.00
PPST6	Wide Diameter 6mm STA Polishing Protector	\$13.00
PSDK0	Restorative Instrumentation System	\$1,900.00
PSDT1	Restorative System Delivery Tray	\$250.00
PSQD0N	Posterior Square Driver 17mm	\$75.00
PSQD1N	Standard Square Driver 24mm	\$75.00
PTC345	Prep-Tite™ Cap 5mm(H) Fits: MAP32G, MAP34G	\$12.00
PTC347	Prep-Tite Cap 7mm(H) Fits: MAP32G, MAP34G	\$12.00
PTC455	Prep-Tite Cap 5mm(H) Fits: APP452G, APP454G	\$12.00
PTC457	Prep-Tite Cap 7mm(H) Fits: APP452G, APP454G	\$12.00
PTC465	Prep-Tite Cap 5mm(H) Fits: APP462G, APP464G, WPP562G, WPP564G	\$12.00
PTC467	Prep-Tite Cap 7mm(H) Fits: APP462G, APP464G, WPP562G, WPP564G	\$12.00
PTC475	Prep-Tite Cap 5mm(H) Fits: APP472G, APP474G, WPP572G, WPP574G, WPP672G, WPP674G	\$12.00
PTC477	Prep-Tite Cap 7mm(H) Fits: APP472G, APP474G, WPP572G, WPP574G, WPP672G, WPP674G	\$12.00
PTC555	Prep-Tite Cap 5mm(H) Fits: WPP552G, WPP554G	\$12.00
PTC557	Prep-Tite Cap 7mm(H) Fits: WPP552G, WPP554G	\$12.00
PTC665	Prep-Tite Cap 5mm(H) Fits: WPP662G, WPP664G	\$12.00
PTC667	Prep-Tite Cap 7mm(H) Fits: WPP662G, WPP664G	\$12.00
RADR1	Dal-Ro Driver Tip 24mm	\$39.50
RAOR1	O-Ring Driver Tip 24mm	\$39.50
RASA3	Abutment Driver Tip 24mm	\$39.50
RASH2N	Small Hex Driver Tip 24mm	\$39.50
RASH3N	Large Hex Driver Tip 24mm	\$39.50
RASH7N	Small Hex Driver Tip 30mm	\$39.50
RASH8N	Large Hex Driver Tip 30mm	\$39.50
RASQ3N	Square Driver Tip 24mm	\$39.50
RASQ8N	Square Driver Tip 30mm	\$39.50
RH600	Reamer & Handle	\$30.00
RTI2035	Restorative Torque Indicator	\$245.00
RTI2035K	Restorative Torque Indicator Kit	\$380.00
RTI2035TR	Restorative Torque Indicator Tray	\$68.00
SCA001	Conical Gold Standard ZR™ Abutment 1mm	\$120.00
SCA002	Conical Gold Standard ZR Abutment 2mm	\$120.00
SCA003	Conical Gold Standard ZR Abutment 3mm	\$120.00
SCA004	Conical Gold Standard ZR Abutment 4mm	\$120.00

\*Use of Gold-Tite™ Uniscrew recommended

## RESTORATIVE PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
SCA055	Conical Gold Standard ZR Abutment 5mm	\$120.00
SGC30	Standard Abutment Gold Cylinder	\$56.00
SGC34	Standard Abutment Plastic Castable Gold Cylinder	\$16.50
SGUCA1C	*UCLA Gold Standard ZR™ Hexed Abutment Cylinder	\$90.00
SIC70	Standard Abutment Transfer Coping	\$17.00
SLA20	Standard Abutment Lab Analog	\$11.00
SPIC5	STA® Pick-up Coping w/5mm Emergence Profile	\$25.00
SPIC56	STA Pick-up Coping w/6mm Emergence Profile	\$25.00
SPIC57	STA Pick-up Coping w/7.5mm Emergence Profile	\$25.00
SPIC6	Wide Diameter 6mm STA Pick-up Coping 6mm	\$25.00
SPIC67	Wide Diameter 6mm STA Pick-up Coping 7.5mm	\$25.00
SQIC7	Standard Abutment Pick-up Coping	\$19.00
SRT01	Screw Removal Tool - Tap	\$69.00
SRT02	Screw Removal Tool - 1.04mm Drill	\$53.00
SRT03	Screw Removal Tool - 1.18mm Drill	\$53.00
SRT04	Screw Removal Tool - Extracting Drill	\$48.00
SRT05	Screw Removal Tool - Guide Handle	\$98.00
SRT10	Screw Removing Kit	\$305.00
STA451	STA - Single Tooth Abutment 1mm	\$178.00
STA452	STA - Single Tooth Abutment 2mm	\$178.00
STA453	STA - Single Tooth Abutment 3mm	\$178.00
STA454	STA - Single Tooth Abutment 4mm	\$178.00
STA455	STA - Single Tooth Abutment 5mm	\$178.00
STA551	STA - Single Tooth Abutment 1mm	\$188.00
STA552	STA - Single Tooth Abutment 2mm	\$188.00
STA553	STA - Single Tooth Abutment 3mm	\$188.00
STA661	STA -Single Tooth Abutment 1mm	\$188.00
STA662	STA - Single Tooth Abutment 2mm	\$188.00
STA663	STA - Single Tooth Abutment 3mm	\$188.00
STGC5	STA - Gold Cylinder for 4.1mm/5mm Implant	\$70.00
STGC6	STA - Gold Cylinder for 6mm Wide Diameter Implant	\$70.00
STIC5	STA Twist Lock™ Coping w/5mm Emergence Profile	\$25.00
STIC56	STA Twist Lock Coping w/6mm Emergence Profile	\$25.00
STIC57	STA Twist Lock Coping w/7.5mm Emergence Profile	\$25.00
STIC6	Wide Diameter 6mm STA Twist Lock Coping 6mm	\$25.00
STIC67	Wide Diameter 6mm STA Twist Lock Coping 7.5mm	\$25.00
STLA5	STA Lab Analog	\$17.00
STLA6	Wide Diameter 6mm STA Lab Analog	\$18.00
STTC5	STA Temporary Cylinder for 4.1mm/5mm Implant	\$16.00
STTC6	STA Wide Diameter Temporary Cylinder for 6mm Implant	\$16.00
STTH5	STA Healing Cap 5mm	\$16.50
STTH56	STA Healing Cap 6mm	\$18.00
STTH57	STA Healing Cap 7.5mm	\$18.00
STTH6	Wide Diameter 6mm STA Healing Cap 6mm	\$19.00
STTH67	Wide Diameter 6mm STA Healing Cap 7.5mm	\$19.00
SWCA51	Conical Gold Standard ZR Abutment 1mm	\$130.00
SWCA52	Conical Gold Standard ZR Abutment 2mm	\$130.00

\*Use of Gold-Tite™ Uniscrew recommended

## RESTORATIVE PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
SWCA53	Conical Gold Standard ZR™ Abutment 3mm	\$130.00
SWCA54	Conical Gold Standard ZR Abutment 4mm	\$130.00
SWCA55	Conical Gold Standard ZR Abutment 5mm	\$130.00
SWCA61	Conical Abutment ZR Abutment 1mm	\$130.00
SWCA62	Conical Abutment ZR Abutment 2mm	\$130.00
SWCA63	Conical Abutment ZR Abutment 3mm	\$130.00
SWCA64	Conical Abutment ZR Abutment 4mm	\$130.00
SWCA65	Conical Abutment ZR Abutment 5mm	\$130.00
SWGA51C	*UCLA Gold Standard ZR Hexed Abutment Cylinder	\$98.00
SWGA61C	*UCLA Gold Standard ZR Hexed Abutment Cylinder	\$98.00
TC300	Standard Abutment Temporary Cylinder for Miniplant/Standard Diameter Implant	\$24.00
TGA01	TG Hex Abutment	\$98.00
TGAD00	TG Hex Abutment Driver	\$87.50
TGADR1	TG Hex Abutment Driver Tip	\$38.00
TGAGC	TG Hex Abutment Gold Cylinder Non-Hexed	\$70.00
TGAGCB	TG Hex Abutment Gold Cylinder - (for Bar Overdenture)	\$70.00
TGAHC	TG Hex Abutment Healing Cap	\$15.00
TGALA	TG Hex Abutment Lab Analog	\$21.00
TGANRC	TG Hex Abutment Gold Cylinder Hexed	\$70.00
TGANRTC	TG Hex Abutment Temporary Cylinder Hexed	\$25.00
TGAPCC	TG Hex Abutment Plastic Castable Cylinder Non-Hexed	\$21.00
TGAPIC	TG Hex Abutment Pick-up Coping	\$36.00
TGAPNR	TG Hex Abutment Plastic Castable Cylinder Hexed	\$21.00
TGATC	TG Hex Abutment Temporary Cylinder Non-Hexed	\$25.00
TGATIC	TG Hex Abutment Twist Lock™ Coping	\$36.00
TGHC04	TG Post/Gold Post™ Snap Cap 4mm	\$15.00
TGHC05	TG Post/Gold Post Snap Cap 5.5mm	\$15.00
TGHC07	TG Post/Gold Post Snap Cap 7mm	\$15.00
TGMP1	TG Hex Abutment Milling Post for Cement Retained Restoration	\$85.00
TGORA0	TG O-Ring Lab Analog 0mm	\$21.00
TGORA2	TG O-Ring Lab Analog 2mm/4mm	\$21.00
TGOS00	TG O-Ring Abutment 0mm	\$58.00
TGOS02	TG O-Ring Abutment 2mm	\$58.00
TGOS04	TG O-Ring Abutment 4mm	\$58.00
TGP04	TG Post 4mm	\$95.00
TGP07	TG Post 7mm	\$95.00
TGP55	TG Post 5.5mm	\$95.00
TGPA15	TG Pre-Angled Post 15° (Hexed retaining screw included)	\$125.00
TGPA25	TG Pre-Angled Post 25° (Hexed retaining screw included)	\$125.00
TGPD1	TG Post/Gold Post Driver	\$87.50
TGPDR1	TG Post Driver Tip	\$38.00
TGPGC	TG Post Gold Cylinder	\$69.50
TGPLA4S	TG Post Lab Analog 4mm	\$21.00
TGPLA5S	TG Post Lab Analog 5.5mm	\$21.00
TGPLA7S	TG Post Lab Analog 7mm	\$21.00
THRC4	Miniplant®/Standard Diameter Implant Retention Cylinder - 2mm	\$38.00
THRC6	Miniplant/Standard Diameter Implant Retention Cylinder - 4mm	\$38.00

\*Use of Gold-Tite™ Uniscrew recommended



## RESTORATIVE PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
TMP80	Tissue Measuring Post	\$90.00
TP001	Tissue Punch for Miniplant®/Standard Implants 4.1mm	\$29.00
TP005	Tissue Punch for 5.0mm Implants	\$29.00
TP006	Tissue Punch for 6.0mm Implants	\$29.00
TS250	Standard Abutment Healing Cap	\$17.00
TUS10	Tube and Screw - 1.0mm diameter	\$43.50
TUS12	Tube and Screw - 1.2mm diameter	\$43.50
TUS14	Tube and Screw - 1.4mm diameter	\$43.50
UCLAMOD4	3X Model of 4.0mm UCLA Abutment and UniScrew	\$20.00
UCLAMOD5	3X Model of 5.0mm UCLA Abutment and UniScrew	\$20.00
UNA125	*UCLA Castable Plastic Hexed 25-Pack Cylinders	\$857.50
UNA225	*UCLA Castable Plastic Non-Hexed 25-Pack Cylinders	\$857.50
UNAB1C	*UCLA Castable Plastic Hexed Abutment Cylinder	\$40.00
UNAB2C	*UCLA Castable Plastic Non-Hexed Abutment Cylinder	\$40.00
UNIHG	Hexed Gold-Tite™ UniScrew	\$46.00
UNIHT	Hexed Titanium UniScrew	\$36.00
UNISG	Square Gold-Tite UniScrew	\$46.00
UNISGMOD	3X Model of Square Gold-Tite UniScrew	\$20.00
UNITS	Square Try-in Screw (5 Pack Only)	\$95.00
VIDPE01	Patient Education Video - NTSC	\$2.50
VIDPE02	Patient Education Video - PAL	\$2.50
VIDPE-S01	Patient Education Video - Spanish - PAL	\$2.50
VIDPE-S02	Patient Education Video - Spanish - NTSC	\$2.50
VIDS6	Modified Osteotome Sinus Craft and Chin Harvest - NTSC	\$30.00
VIDS7	Modified Osteotome Sinus Craft and Chin Harvest - PAL	\$30.00
WAB200	Wide Diameter 5.0 Standard Abutment 2mm	\$116.00
WAB300	Wide Diameter 5.0 Standard Abutment 3mm	\$116.00
WAB400	Wide Diameter 5.0 Standard Abutment 4mm	\$116.00
WAB550	Wide Diameter 5.0 Standard Abutment 5.5mm	\$116.00
WCA51	Conical Abutment 1mm	\$130.00
WCA52	Conical Abutment 2mm	\$130.00
WCA53	Conical Abutment 3mm	\$130.00
WCA54	Conical Abutment 4mm	\$130.00
WCA55	Conical Abutment 5.5mm	\$130.00
WCA61	Conical Abutment 1mm	\$130.00
WCA62	Conical Abutment 2mm	\$130.00
WCA63	Conical Abutment 3mm	\$130.00
WCA64	Conical Abutment 4mm	\$130.00
WCA65	Conical Abutment 5.5mm	\$130.00
WCLA6	Wide Diameter 6mm Conical Lab Analog	\$26.00
WCP661	Conical Pick-up Coping for 6mm Implant w/6mm Emergence Profile Hexed	\$35.00
WCP662	Conical Pick-up Coping for 6mm Implant w/6mm Emergence Profile Non-Hexed	\$35.00
WCP671	Conical Pick-up Coping for 6mm Implant w/7.5mm Emergence Profile Hexed	\$35.00
WCP672	Conical Pick-up Coping for 6mm Implant w/7.5mm Emergence Profile Non-Hexed	\$35.00
WCPP6	Wide Diameter 6mm Conical Polishing Protector	\$14.50
WCS66	Wide Diameter 6mm Conical Healing Cap 6mm	\$18.00
WCS67	Wide Diameter 6mm Conical Healing Cap 7.5mm	\$18.00

\*Use of Gold-Tite™ Uniscrew recommended

## RESTORATIVE PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
WCT661	Conical Twist Lock™ Coping for 6mm Implant w/6mm Emergence Profile Hexed	\$35.00
WCT662	Conical Twist Lock Coping for 6mm Implant w/6mm Emergence Profile Non-Hexed	\$35.00
WCT671	Conical Twist Lock Coping for 6mm Implant w/7.5mm Emergence Profile Hexed	\$35.00
WCT672	Conical Twist Lock Coping for 6mm Implant w/7.5mm Emergence Profile Non-Hexed	\$35.00
WCTC60	Conical - Wide Diameter 6mm Temporary Cylinder Hexed	\$29.00
WCTC61	Conical - Wide Diameter 6mm Temporary Cylinder Non-Hexed	\$29.00
WGA51C	*UCLA Gold Hexed Abutment Cylinder	\$98.00
WGA52C	*UCLA Gold Non-Hexed Abutment Cylinder	\$98.00
WGA61C	*UCLA Gold Hexed Abutment Cylinder	\$98.00
WGA62C	*UCLA Gold Non-Hexed Abutment Cylinder	\$98.00
WIP55	5mm Implant Pick-up Coping 5mm	\$42.00
WIP56	5mm Implant Pick-up Coping 6mm	\$42.00
WIP57	5mm Implant Pick-up Coping 7.5mm	\$42.00
WIP66	6mm Implant Pick-up Coping 6mm	\$42.00
WIP67	6mm Implant Pick-up Coping 7.5mm	\$42.00
WIT55	5mm Implant Twist Lock Coping 5mm	\$42.00
WIT56	5mm Implant Twist Lock Coping 6mm	\$42.00
WIT57	5mm Implant Twist Lock Coping 7.5mm	\$42.00
WIT66	6mm Implant Twist Lock Coping 6mm	\$42.00
WIT67	6mm Implant Twist Lock Coping 7.5mm	\$42.00
WLT10	Lapping Tool UCLA Wide Diameter	\$25.50
WOSO20	O-Ring Abutment 2mm	\$128.00
WOSO40	O-Ring Abutment 4mm	\$128.00
WOSO60	O-Ring Abutment 6mm	\$128.00
WPC51C	*UCLA Castable Plastic Hexed Abutment Cylinder	\$48.00
WPC52C	*UCLA Castable Plastic Non-Hexed Abutment Cylinder	\$48.00
WPC61C	*UCLA Castable Plastic Hexed Abutment Cylinder	\$48.00
WPC62C	*UCLA Castable Plastic Non-Hexed Abutment Cylinder	\$48.00
WPP50	Wide Diameter 5mm Implant Polishing Protector	\$16.50
WPP552G	*GingiHue™ Post 5mm x 5mm x 2mm	\$78.00
WPP554G	*GingiHue Post 5mm x 5mm x 4mm	\$78.00
WPP562G	*GingiHue Post 5mm x 6mm x 2mm	\$78.00
WPP564G	*GingiHue Post 5mm x 6mm x 4mm	\$78.00
WPP572G	*GingiHue Post 5mm x 7.5mm x 2mm	\$78.00
WPP574G	*GingiHue Post 5mm x 7.5mm x 4mm	\$78.00
WPP60	Wide Diameter 6mm Implant Polishing Protector	\$16.50
WPP662G	*GingiHue Post 6mm x 6mm x 2mm	\$78.00
WPP664G	*GingiHue Post 6mm x 6mm x 4mm	\$78.00
WPP672G	*GingiHue Post 6mm x 7.5mm x 2mm	\$78.00
WPP674G	*GingiHue Post 6mm x 7.5mm x 4mm	\$78.00
WPPGMOD1	3X Model of 5.0mm GingiHue Post	\$20.00
WSK10	Abutment Waxing Screw/Guide Pin 10mm	\$9.00
WSK15	Abutment Waxing Screw/Guide Pin 15mm	\$9.00
WSU30	Implant Laboratory Screw	\$12.00
WTC51	Implant - Wide Diameter 5mm Temporary Cylinder Hexed	\$53.00

## RESTORATIVE PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
WTC52	Implant - Wide Diameter 5mm Temporary Cylinder Non-Hexed	\$53.00
WTC61	Implant - Wide Diameter 6mm Temporary Cylinder Hexed	\$53.00
WTC62	Implant - Wide Diameter 6mm Temporary Cylinder Non-Hexed	\$53.00



*For additional information or to place an order,  
contact your local 3i representative or call:*

**3i Customer Service**

**Monday-Thursday 8am-8pm (EST)**

**Friday 8am-6:30pm**

**1.800.342.5454**

**Outside U.S.: 511.776.6700**

**In Canada: 1.800.363.1980**

**Fax: 561.776.1272**

**Website: [www.3i-online.com](http://www.3i-online.com)**

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Implant Innovations, Inc.*



ART720

Rev. 8/00

**3i<sup>®</sup> CUSTOMER CONVENIENCE ORDER FORM**

**Copy and fax completed form to 3i Customer Service at 800-441-7211.**

**Present Customer:**

☐ Yes☐ No

**Patient Name:** \_\_\_\_\_

### Billing Information

Name

Account Number

Date Order Placed

Street Address/Suite #

Order Placed By

P.O. Number

City

State

Zip Code

Phone (Include Area Code) \_\_\_\_\_

Fax (Include Area Code)

### Shipping Information

Name

Street Address/Suite #

City

State

Zip Code

### Payment Method

☐ Credit Card (please circle card)

Visa   MasterCard   American Express

Card No. \_\_\_\_\_

Exp. Date \_\_\_\_\_

☐ COD☐ **Bill Net 30****Shipping Method (check one)**

☐ Economy

☐ **Priority Overnight**☐ **Standard Overnight**☐ Saturday Delivery[illegible]

Thank you for your patronage! For further assistance, call **3i** Customer Service at 800-342-5454.

# ***Price List***



*Effective February 2001  
Product Listing*

# Ordering Information

## To Place an Order:

Contact your local **3i** representative or call:

**3i** Customer Service

Monday-Thursday 8am - 8pm (EST) 5am - 5pm (PST)

Friday 8am - 6:30pm

800-342-5454 Fax 561-776-1272

In Canada: 800-363-1980 Outside US: 561-776-6700

## Terms and Conditions of Sale

The following are the terms and conditions under which Implant Innovations, Inc. ("**3i**") sells its products in the United State of America.

**GOVERNING TERMS** Any shipment of products shall be deemed to be on the terms and conditions stated herein. Any and all terms and conditions submitted by Purchaser are hereby rejected.

**TAXES** The prices set forth herein do not include any sales, use, excise, ad valorem, property or other taxes applicable to the sale, use or delivery of the products, all of which shall be paid by Purchaser separately or added to the contract price and paid by Purchaser to **3i**.

**PRICES** The prices set forth for the products are in United States Dollars.

**DELIVERY** Products sold hereunder shall be delivered F.O.B. manufacturer's plant or distributor's plant, as applicable. Purchaser shall assume responsibility for all subsequent delivery or shipping charges.

**PAYMENT** Payment terms shall be as set forth under the "Terms" section on front of invoice.

**WARRANTY** Except as expressly set forth in the "**3i** Five Year Warranty Program," **3i** makes no warranty, express or implied, except that its products shall be free from defects in material and/or workmanship. This warranty applies only to the original Purchaser. In the event of a product defect, immediately notify **3i** of the defect prior to returning the product. Devices shall be sterilized prior to return. As its sole obligation under this warranty, **3i** will, at its option, either repair, replace or issue credit for such products. Purchaser assumes all risks and liability resulting from the use of these products, whether used separately or in combination with other products.

**EDUCATION; MODIFICATION OF PRODUCTS** **3i** strongly recommends completion of formal post graduate implant education and strict adherence to the procedures described in **3i**'s implant instruction manuals. **3i** continually strives to improve its products and therefore reserves the right to improve, modify or discontinue products at any time, or to change specifications of the products without notice and without incurring any obligation.

**RETURN POLICY** Customers may return any **3i** product within 90 days of the invoice date. **3i** products returned within 60 days of the invoice date will be accepted without any restocking fee to the customer. **3i** products returned between 61 and 90 days of the invoice date will be subject to a 15% restocking fee. A **3i** product will be accepted for return only if the **3i** product is (1) returned in its original, unopened package; (2) received by **3i** within 90 days after the invoice date for that product; and (3) returned freight prepaid to 4555 Riverside Drive, Palm Beach Gardens, Florida 33410, (Attention: Returns Department) accompanied by the **3i** return authorization number provided by **3i**'s Customer Service Department. Customers should be advised that **3i** products not meeting the above criteria will not be accepted for return.

**EXCHANGE POLICY** **3i** products may be exchanged within 180 days of the invoice date, without a re-stocking fee, for other **3i** products of equal or lesser value. **3i** products may be exchanged within 180 days of the invoice date for other **3i** products of greater value, with the price differential paid by the customer. Providing the exchanged **3i** product is (1) returned in its original, unopened package; (2) not a discontinued product; and (3) returned freight prepaid to 4555 Riverside Drive, Palm Beach Gardens, Florida 33410, (Attention: Returns Department) accompanied by the **3i** return authorization number provided by **3i**'s Customer Service Department.

**LICENSES, PERMITS AND EXPORT CONTROL** The timely securing of permits, licenses, or other local, state or federal governmental approvals required in connection with Purchaser's use of any products hereunder shall be the sole responsibility of Purchaser and Purchaser shall bear the cost thereof. Unless otherwise agreed between **3i** and Purchaser, products sold hereunder are only for use in the United States. Purchaser agrees that Purchaser will comply fully with all applicable state and federal laws and regulations and Purchaser shall indemnify **3i** for all losses, damages and penalties incurred as a result of any violation of applicable state or federal law or regulations.

**FORCE MAJEURE** **3i** shall not be liable for any loss or damage due to failure or delay arising out of any cause beyond the control of **3i**. In the event of any failure or delay resulting from such causes, an equitable adjustment of delivery and any other appropriate terms and conditions shall be made. No such failure or delay shall be the basis for an increase in **3i**'s obligations nor any termination by Purchaser.

**LIMITATION OF LIABILITY** EXCEPT FOR THE WARRANTY EXPRESSLY DESCRIBED IN "WARRANTY" ABOVE, NEITHER **3i** NOR ANY OF ITS AFFILIATES MAKES ANY OTHER WARRANTY WITH RESPECT TO THE **3i** PRODUCTS, EXPRESSED OR IMPLIED, WRITTEN OR ORAL, INCLUDING, WITHOUT LIMITATION, ANY IMPLIED WARRANTY OF MERCHANTABILITY, OR A WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE. **3i** SHALL NOT BE LIABLE FOR BUSINESS INTERRUPTION, LOSS OF PROFITS, SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY NATURE AND FROM ANY CAUSE WHETHER BASED IN CONTRACT, TORT (INCLUDING NEGLIGENCE) OR OTHER LEGAL THEORY, EVEN IF **3i** HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

**VALIDITY** If any provision of these Terms and Conditions is found to be illegal or unenforceable in any respect, such illegality or unenforceability shall not affect any other provision of these Terms and Conditions, all of which shall remain enforceable in accordance with their terms.

**GENERAL PROVISIONS** The purchase of the products and these Terms and Conditions are governed by the laws of Florida, without regard to conflicts of law principles. This document incorporates all oral and written representations between the parties and constitutes the entire agreement and understanding of the parties with respect to the subject matter hereof and supersedes any and all other agreements either oral or written between the parties with respect to such subject matter. No amendment or modification may be made to this document unless in writing and duly executed by an authorized representative of **3i**.

## Caution:

Federal (U.S.) Law restricts these devices to sale by or on the order of a Licensed HealthCare Practitioner. Devices labeled "STERILE" are certified to be sterile unless sterile package is opened or damaged.

## Export Orders:

Require advance payment or letter of credit. Shipments are made either freight collect or paid by **3i** and added to invoice. Unless special instructions are received with the order, the shipping method will be determined by **3i**, F.O.B. Palm Beach Gardens, FL.

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**3i** Registered Trademarks\*: **3i**, IMPLANT INNOVATIONS, ASYST, EP, MINIPLANT, BIOTACK, E/P, OSSEOTITE, OSSEOFIX, TG OSSEOTITE, ICE and IMPLARETTE are registered trademarks of Implant Innovations, Inc.

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## Patent Notice:

"Angled Abutments" products are licensed under one or more U.S. Patent Nos. 5,000,685; 5,069,622; and 5,087,200. "Asyst" system is covered by U.S. Patent Nos. 5,332,443; 5,437,550; 5,462,436; and 5,692,904. "Bone Profiler" products are covered by U.S. Patent No. 5,868,572. "Conical Abutment" products are covered by U.S. Patent No. 4,850,870. "EP" system is covered by U.S. Patent Nos. 5,338,196; 5,476,383; 5,674,071; and 5,873,722. "Gold Post" products are covered by U.S. Patent No. 5,829,977. "Gold Standard" products are covered by U.S. Patent No. 5,723,375. "Gold Tite" products are covered by U.S. Patent No. 5,879,161. "Osseolite" implants are covered by U.S. Patent No. 5,603,338; 5,876,453; and 5,863,201. "ICE" implants are covered by U.S. Patent No. 5,727,943. "Implarette" products are covered by U.S. Patent No. 5,244,390. "No Touch" system is covered by U.S. Patent No. 5,582,299. "Precision Abutment Base" is covered by U.S. Patent No. 4,988,298. "Stabilized Casting Core" products are covered by U.S. Patent No. 5,702,252. "Tapered Driver" products are covered by U.S. Patent No. 5,105,690. "Temporary Dental Coping" products are covered by U.S. Patent Nos. 5,006,069 and 5,040,983. "Transfer Coping with Index" product is covered by U.S. Patent No. 4,955,811. "TwistLock" products are covered by U.S. Patent No. 5,865,715. "Wide Implant" products are covered by U.S. Patent No. 5,902,109. Other patents pending.

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# Surgical Products

## **Products Listed By Description**

# SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>MicroMiniplants &amp; Cover Screws</b>		
MicroMiniplant™ - 3.25 x 8.5mm OSSEOTITE®	OSM385	\$250.00
MicroMiniplant - 3.25 x 10mm OSSEOTITE	OSM310	\$250.00
MicroMiniplant - 3.25 x 11.5mm OSSEOTITE	OSM311	\$250.00
MicroMiniplant - 3.25 x 13mm OSSEOTITE	OSM313	\$250.00
MicroMiniplant - 3.25 x 15mm OSSEOTITE	OSM315	\$250.00
MicroMiniplant - 3.25 x 18mm OSSEOTITE	OSM318	\$250.00
MicroMiniplant - 3.25 x 8.5mm ICE Super Self-Tapping	MM385	\$225.00
MicroMiniplant - 3.25 x 10mm ICE Super Self-Tapping	MM310	\$225.00
MicroMiniplant - 3.25 x 11.5mm ICE Super Self-Tapping	MM311	\$225.00
MicroMiniplant - 3.25 x 13mm ICE Super Self-Tapping	MM313	\$225.00
MicroMiniplant - 3.25 x 15mm ICE Super Self-Tapping	MM315	\$225.00
MicroMiniplant - 3.25 x 18mm ICE Super Self-Tapping	MM318	\$225.00
MicroMiniplant - 3.3 x 8.5mm Cylinder	TM385	\$225.00
MicroMiniplant - 3.3 x 10mm Cylinder	TM310	\$225.00
MicroMiniplant - 3.3 x 13mm Cylinder	TM313	\$225.00
MicroMiniplant - 3.3 x 15mm Cylinder	TM315	\$225.00
MicroMiniplant Cover Screw	MMCS1	\$34.00
Headless Cover Screw	CS275	\$38.00
MicroMiniplant Mount - 3mm	MMC03	\$106.00
MicroMiniplant Mount - 15mm	MMC15	\$106.00
MicroMiniplant Mount Kit	MMKIT	\$338.00

<b>Miniplants &amp; Cover Screws</b>		
3/4 Osseotite XP™ Miniplant® - 3.25mm Body / 4.1mm Top x 8.5mm Body	OS3285	\$250.00
3/4 Osseotite XP Miniplant - 3.25mm Body / 4.1mm Top x 10mm Body	OS3210	\$250.00
3/4 Osseotite XP Miniplant - 3.25mm Body / 4.1mm Top x 11.5mm Body	OS3211	\$250.00
3/4 Osseotite XP Miniplant - 3.25mm Body / 4.1mm Top x 13mm Body	OS3213	\$250.00
3/4 Osseotite XP Miniplant - 3.25mm Body / 4.1mm Top x 15mm Body	OS3215	\$250.00
3/4 Osseotite XP Miniplant - 3.25mm Body / 4.1mm Top x 18mm Body	OS3218	\$250.00
Miniplant - 3.25 x 8.5mm ICE Super Self-Tapping	MH385	\$225.00
Miniplant - 3.25 x 10mm ICE Super Self-Tapping	MH310	\$225.00
Miniplant - 3.25 x 11.5mm ICE Super Self-Tapping	MH311	\$225.00
Miniplant - 3.25 x 13mm ICE Super Self-Tapping	MH313	\$225.00
Miniplant - 3.25 x 15mm ICE Super Self-Tapping	MH315	\$225.00
Miniplant - 3.3 x 8.5mm Cylinder	TH385	\$225.00
Miniplant - 3.3 x 10mm Cylinder	TH310	\$225.00
Miniplant - 3.3 x 13mm Cylinder	TH313	\$225.00
Miniplant - 3.3 x 15mm Cylinder	TH315	\$225.00
Implant Cover Screw	CS375	\$50.00
Headless Cover Screw	CS275	\$38.00

<b>Standard Diameter 3.75/4.0mm Implants &amp; Cover Screws</b>		
Standard Diameter Implant - 3.75 x 8.5mm OSSEOTITE	OSS385	\$250.00
Standard Diameter Implant - 3.75 x 10mm OSSEOTITE	OSS310	\$250.00
Standard Diameter Implant - 3.75 x 11.5mm OSSEOTITE	OSS311	\$250.00
Standard Diameter Implant - 3.75 x 13mm OSSEOTITE	OSS313	\$250.00

# SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Standard Diameter 3.75/4.0mm Implants &amp; Cover Screws (Continued)</b>		
Standard Diameter Implant - 3.75 x 15mm OSSEOTITE®	OSS315	\$250.00
Standard Diameter Implant - 3.75 x 18mm OSSEOTITE	OSS318	\$250.00
Standard Diameter Implant - 3.75 x 20mm OSSEOTITE	OSS320	\$250.00
Standard Diameter Implant - 4.0 x 8.5mm OSSEOTITE	OSS485	\$250.00
Standard Diameter Implant - 4.0 x 10mm OSSEOTITE	OSS410	\$250.00
Standard Diameter Implant - 4.0 x 11.5mm OSSEOTITE	OSS411	\$250.00
Standard Diameter Implant - 4.0 x 13mm OSSEOTITE	OSS413	\$250.00
Standard Diameter Implant - 4.0 x 15mm OSSEOTITE	OSS415	\$250.00
Standard Diameter Implant - 4.0 x 18mm OSSEOTITE	OSS418	\$250.00
Standard Diameter Implant - 4.0 x 20mm OSSEOTITE	OSS420	\$250.00
Standard Diameter Implant - 3.75 x 8.5mm ICE® Super Self-Tapping	ICE385	\$225.00
Standard Diameter Implant - 3.75 x 10mm ICE Super Self-Tapping	ICE310	\$225.00
Standard Diameter Implant - 3.75 x 11.5mm ICE Super Self-Tapping	ICE311	\$225.00
Standard Diameter Implant - 3.75 x 13mm ICE Super Self-Tapping	ICE313	\$225.00
Standard Diameter Implant - 3.75 x 15mm ICE Super Self-Tapping	ICE315	\$225.00
Standard Diameter Implant - 3.75 x 18mm ICE Super Self-Tapping	ICE318	\$225.00
Standard Diameter Implant - 3.75 x 20mm ICE Super Self-Tapping	ICE320	\$225.00
Standard Diameter Implant - 4.0 x 8.5mm ICE Super Self-Tapping	ICE485	\$225.00
Standard Diameter Implant - 4.0 x 10mm ICE Super Self-Tapping	ICE410	\$225.00
Standard Diameter Implant - 4.0 x 11.5mm ICE Super Self-Tapping	ICE411	\$225.00
Standard Diameter Implant - 4.0 x 13mm ICE Super Self-Tapping	ICE413	\$225.00
Standard Diameter Implant - 4.0 x 15mm ICE Super Self-Tapping	ICE415	\$225.00
Standard Diameter Implant - 4.0 x 18mm ICE Super Self-Tapping	ICE418	\$225.00
Standard Diameter Implant - 4.0 x 20mm ICE Super Self-Tapping	ICE420	\$225.00
Standard Diameter Implant - 3.75 x 8.5mm ST Self-Tapping Threaded	ST385	\$195.00
Standard Diameter Implant - 3.75 x 10mm ST Self-Tapping Threaded	ST310	\$195.00
Standard Diameter Implant - 3.75 x 11.5mm ST Self-Tapping Threaded	ST311	\$195.00
Standard Diameter Implant - 3.75 x 13mm ST Self-Tapping Threaded	ST313	\$195.00
Standard Diameter Implant - 3.75 x 15mm ST Self-Tapping Threaded	ST315	\$195.00
Standard Diameter Implant - 3.75 x 18mm ST Self-Tapping Threaded	ST318	\$195.00
Standard Diameter Implant - 3.75 x 20mm ST Self-Tapping Threaded	ST320	\$195.00
Standard Diameter Implant - 4.0 x 8.5mm ST Self-Tapping Threaded	ST485	\$195.00
Standard Diameter Implant - 4.0 x 10mm ST Self-Tapping Threaded	ST410	\$195.00
Standard Diameter Implant - 4.0 x 11.5mm ST Self-Tapping Threaded	ST411	\$195.00
Standard Diameter Implant - 4.0 x 13mm ST Self-Tapping Threaded	ST413	\$195.00
Standard Diameter Implant - 4.0 x 15mm ST Self-Tapping Threaded	ST415	\$195.00
Standard Diameter Implant - 4.0 x 18mm ST Self-Tapping Threaded	ST418	\$195.00
Standard Diameter Implant - 4.0 x 20mm ST Self-Tapping Threaded	ST420	\$195.00
Standard Diameter Implant - 4.0 x 7mm Cylinder	TP407	\$225.00
Standard Diameter Implant - 4.0 x 8.5mm Cylinder	TP485	\$225.00
Standard Diameter Implant - 4.0 x 10mm Cylinder	TP410	\$225.00
Standard Diameter Implant - 4.0 x 13mm Cylinder	TP413	\$225.00
Standard Diameter Implant - 4.0 x 15mm Cylinder	TP415	\$225.00

## SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Standard Diameter 3.75/4.0mm Implants &amp; Cover Screws (Continued)</b>		
Standard Diameter Implant - 4.0 x 18mm Cylinder	TP418	\$225.00
Implant Cover Screw	CS375	\$50.00
Headless Cover Screw	CS275	\$38.00
<b>Expanded Platform 4/5mm &amp; 5/6mm Implants &amp; Cover Screws</b>		
4/5 Osseotite XP™ Implant - 4mm Body/5mm Top x 8.5mm Long	OS4585	\$265.00
4/5 Osseotite XP Implant - 4mm Body/5mm Top x 10mm Long	OS4510	\$265.00
4/5 Osseotite XP Implant - 4mm Body/5mm Top x 11.5mm Long	OS4511	\$265.00
4/5 Osseotite XP Implant - 4mm Body/5mm Top x 13mm Long	OS4513	\$265.00
4/5 Osseotite XP Implant - 4mm Body/5mm Top x 15mm Long	OS4515	\$265.00
5/6 Osseotite XP Implant - 5mm Body/6mm Top x 8.5mm Long	OS5685	\$265.00
5/6 Osseotite XP Implant - 5mm Body/6mm Top x 10mm Long	OS5610	\$265.00
5/6 Osseotite XP Implant - 5mm Body/6mm Top x 11.5mm Long	OS5611	\$265.00
5/6 Osseotite XP Implant - 5mm Body/6mm Top x 13mm Long	OS5613	\$265.00
5/6 Osseotite XP Implant - 5mm Body/6mm Top x 15mm Long	OS5615	\$265.00
Implant Cover Screw for 5.0mm Top	CS500	\$50.00
Implant Cover Screw for 6.0mm Top	CS600	\$50.00
Headless Cover Screw	CS275	\$38.00
<b>Wide Diameter 5.0mm Implants &amp; Cover Screws</b>		
Wide Diameter Implant - 5.0 x 7mm OSSEOTITE®	OSS507	\$265.00
Wide Diameter Implant - 5.0 x 8.5mm OSSEOTITE	OSS585	\$265.00
Wide Diameter Implant - 5.0 x 10mm OSSEOTITE	OSS510	\$265.00
Wide Diameter Implant - 5.0 x 11.5mm OSSEOTITE	OSS511	\$265.00
Wide Diameter Implant - 5.0 x 13mm OSSEOTITE	OSS513	\$265.00
Wide Diameter Implant - 5.0 x 15mm OSSEOTITE	OSS515	\$265.00
Wide Diameter Implant - 5.0 x 18mm OSSEOTITE	OSS518	\$265.00
Wide Diameter Implant - 5.0 x 7mm ICE® Super Self-Tapping	ICE507	\$250.00
Wide Diameter Implant - 5.0 x 8.5mm ICE Super Self-Tapping	ICE585	\$250.00
Wide Diameter Implant - 5.0 x 10mm ICE Super Self-Tapping	ICE510	\$250.00
Wide Diameter Implant - 5.0 x 11.5mm ICE Super Self-Tapping	ICE511	\$250.00
Wide Diameter Implant - 5.0 x 13mm ICE Super Self-Tapping	ICE513	\$250.00
Wide Diameter Implant - 5.0 x 15mm ICE Super Self-Tapping	ICE515	\$250.00
Wide Diameter Implant - 5.0 x 18mm ICE Super Self-Tapping	ICE518	\$250.00
Wide Diameter Implant - 5.0 x 7mm Cylinder	TP507	\$260.00
Wide Diameter Implant - 5.0 x 8.5mm Cylinder	TP585	\$260.00
Wide Diameter Implant - 5.0 x 10mm Cylinder	TP510	\$260.00
Wide Diameter Implant - 5.0 x 13mm Cylinder	TP513	\$260.00
Implant Cover Screw for 5.0mm Top	CS500	\$50.00
Headless Cover Screw	CS275	\$38.00
<b>Wide Diameter 6.0mm Implants &amp; Cover Screws</b>		
Wide Diameter 6.0mm x 7mm OSSEOTITE	OSS607	\$265.00
Wide Diameter 6.0mm x 8.5mm OSSEOTITE	OSS685	\$265.00
Wide Diameter 6.0mm x 10mm OSSEOTITE	OSS610	\$265.00
Wide Diameter 6.0mm x 11.5mm OSSEOTITE	OSS611	\$265.00

# SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Wide Diameter 6.0mm Implants &amp; Cover Screws (Continued)</b>		
Wide Diameter 6.0mm x 13mm OSSEOTITE®	OSS613	\$265.00
Wide Diameter 6.0mm x 15mm OSSEOTITE	OSS615	\$265.00
Wide Diameter 6.0mm x 18mm OSSEOTITE	OSS618	\$265.00
Wide Diameter 6.0mm x 7mm ICE® Super Self-Tapping	ICE607	\$250.00
Wide Diameter 6.0mm x 8.5mm ICE Super Self-Tapping	ICE685	\$250.00
Wide Diameter 6.0mm x 10mm ICE Super Self-Tapping	ICE610	\$250.00
Wide Diameter 6.0mm x 11.5mm ICE Super Self-Tapping	ICE611	\$250.00
Wide Diameter 6.0mm x 13mm ICE Super Self-Tapping	ICE613	\$250.00
Wide Diameter 6.0mm x 15mm ICE Super Self-Tapping	ICE615	\$250.00
Wide Diameter 6.0mm x 18mm ICE Super Self-Tapping	ICE618	\$250.00
Wide Diameter 6.0mm x 7mm Cylinder	TP607	\$260.00
Wide Diameter 6.0mm x 8.5mm Cylinder	TP685	\$260.00
Wide Diameter 6.0mm x 10mm Cylinder	TP610	\$260.00
Wide Diameter 6.0mm x 13mm Cylinder	TP613	\$260.00
Implant Cover Screw for 6.0mm Top	CS600	\$50.00
Headless Cover Screw	CS275	\$38.00

## TG Osseotite Implants & Cover Screws

TG Osseotite® 3.25mm x 8.5mm - 1.8 collar height	TG2385	\$245.00
TG Osseotite 3.25mm x 10mm - 1.8 collar height	TG2310	\$245.00
TG Osseotite 3.25mm x 11.5mm - 1.8 collar height	TG2311	\$245.00
TG Osseotite 3.25mm x 13mm - 1.8 collar height	TG2313	\$245.00
TG Osseotite 3.25mm x 15mm - 1.8 collar height	TG2315	\$245.00
TG Osseotite 3.25mm x 8.5mm - 2.8 collar height	TG3385	\$245.00
TG Osseotite 3.25mm x 10mm - 2.8 collar height	TG3310	\$245.00
TG Osseotite 3.25mm x 11.5mm - 2.8 collar height	TG3311	\$245.00
TG Osseotite 3.25mm x 13mm - 2.8 collar height	TG3313	\$245.00
TG Osseotite 3.25mm x 15mm - 2.8 collar height	TG3315	\$245.00
TG Osseotite 4mm x 8.5mm - 1.8 collar height	TG2485	\$245.00
TG Osseotite 4mm x 10mm - 1.8 collar height	TG2410	\$245.00
TG Osseotite 4mm x 11.5mm - 1.8 collar height	TG2411	\$245.00
TG Osseotite 4mm x 13mm - 1.8 collar height	TG2413	\$245.00
TG Osseotite 4mm x 15mm - 1.8 collar height	TG2415	\$245.00
TG Osseotite 4mm x 8.5mm - 2.8 collar height	TG3485	\$245.00
TG Osseotite 4mm x 10mm - 2.8 collar height	TG3410	\$245.00
TG Osseotite 4mm x 11.5mm - 2.8 collar height	TG3411	\$245.00
TG Osseotite 4mm x 13mm - 2.8 collar height	TG3413	\$245.00
TG Osseotite 4mm x 15mm - 2.8 collar height	TG3415	\$245.00
TG Osseotite 5mm x 8.5mm - 1.8 collar height	TG2585	\$260.00
TG Osseotite 5mm x 10mm - 1.8 collar height	TG2510	\$260.00
TG Osseotite 5mm x 11.5mm - 1.8 collar height	TG2511	\$260.00
TG Osseotite 5mm x 13mm - 1.8 collar height	TG2513	\$260.00
TG Osseotite 5mm x 15mm - 1.8 collar height	TG2515	\$260.00
TG Osseotite 5mm x 8.5mm - 2.8 collar height	TG3585	\$260.00
TG Osseotite 5mm x 10mm - 2.8 collar height	TG3510	\$260.00
TG Osseotite 5mm x 11.5mm - 2.8 collar height	TG3511	\$260.00

## SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>TG Osseotite Implants &amp; Cover Screws (Continued)</b>		
TG Osseotite® 5mm x 13mm - 2.8 collar height	TG3513	\$260.00
TG Osseotite 5mm x 15mm - 2.8 collar height	TG3515	\$260.00
TG Cover Screw - 0.5mm	TGCS05	\$25.00
TG Cover Screw - 1mm	TGCS10	\$30.00
TG Cover Screw - 2mm	TGCS20	\$42.00
TG Cover Screw - 3mm	TGCS30	\$42.00
TG Cover Screw - 4mm	TGCS40	\$42.00
TG Cover Screw - 5mm	TGCS50	\$42.00
<b>Healing Abutments</b>		
MicroMiniplant™ 3.8 x 2mm EP® One-Piece Healing Abutment	MHA32	\$38.00
MicroMiniplant 3.8 x 4mm EP One-Piece Healing Abutment	MHA34	\$38.00
MicroMiniplant 3.8 x 6mm EP One-Piece Healing Abutment	MHA36	\$38.00
MicroMiniplant 3.8 x 4mm EP Two-Piece Healing Abutment	MT234	\$42.00
MicroMiniplant 3.8 x 6mm EP Two-Piece Healing Abutment	MT236	\$42.00
MicroMiniplant 5.0 x 4mm EP Two-Piece Healing Abutment	MT254	\$42.00
MicroMiniplant 5.0 x 6mm EP Two-Piece Healing Abutment	MT256	\$42.00
Miniplant®/Standard Diameter 5.0 x 2mm EP One-Piece Healing Abutment	THA52	\$32.00
Miniplant/Standard Diameter 5.0 x 4mm EP One-Piece Healing Abutment	THA54	\$32.00
Miniplant/Standard Diameter 5.0 x 6mm EP One-Piece Healing Abutment	THA56	\$32.00
Miniplant/Standard Diameter 5.0 x 8mm EP One-Piece Healing Abutment	THA58	\$32.00
Miniplant/Standard Diameter 6.0 x 4mm EP One-Piece Healing Abutment	THA64	\$39.50
Miniplant/Standard Diameter 6.0 x 6mm EP One-Piece Healing Abutment	THA66	\$39.50
Miniplant/Standard Diameter 6.0 x 8mm EP One-Piece Healing Abutment	THA68	\$39.50
Miniplant/Standard Diameter 7.5 x 4mm EP One-Piece Healing Abutment	THA74	\$39.50
Miniplant/Standard Diameter 7.5 x 6mm EP One-Piece Healing Abutment	THA76	\$39.50
Miniplant/Standard Diameter 7.5 x 8mm EP One-Piece Healing Abutment	THA78	\$39.50
Miniplant/Standard Diameter 5.0 x 3mm EP Two-Piece Healing Abutment	TH253	\$38.00
Miniplant/Standard Diameter 5.0 x 4mm EP Two-Piece Healing Abutment	TH254	\$38.00
Miniplant/Standard Diameter 5.0 x 6mm EP Two-Piece Healing Abutment	TH256	\$38.00
Miniplant/Standard Diameter 5.0 x 8mm EP Two-Piece Healing Abutment	TH258	\$38.00
Miniplant/Standard Diameter 6.0 x 3mm EP Two-Piece Healing Abutment	TH263	\$46.00
Miniplant/Standard Diameter 6.0 x 4mm EP Two-Piece Healing Abutment	TH264	\$46.00
Miniplant/Standard Diameter 6.0 x 6mm EP Two-Piece Healing Abutment	TH266	\$46.00
Miniplant/Standard Diameter 6.0 x 8mm EP Two-Piece Healing Abutment	TH268	\$46.00
Miniplant/Standard Diameter 7.5 x 3mm EP Two-Piece Healing Abutment	TH273	\$46.00
Miniplant/Standard Diameter 7.5 x 4mm EP Two-Piece Healing Abutment	TH274	\$46.00
Miniplant/Standard Diameter 7.5 x 6mm EP Two-Piece Healing Abutment	TH276	\$46.00
Miniplant/Standard Diameter 7.5 x 8mm EP Two-Piece Healing Abutment	TH278	\$46.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 2mm	WTH52	\$45.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 4mm	WTH54	\$45.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 6mm	WTH56	\$45.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 8mm	WTH58	\$45.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 6.0 x 2mm	WTH562	\$45.00
Wide Diameter 5.0mm EP® One-Piece Healing Abutment 6.0 x 4mm	WTH564	\$45.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 6.0 x 6mm	WTH566	\$45.00

## SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Healing Abutments (Continued)</b>		
Wide Diameter 5.0mm EP® One-Piece Healing Abutment 6.0 x 8mm	WTH568	\$45.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 2mm	WTH572	\$45.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 4mm	WTH574	\$45.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 6mm	WTH576	\$45.00
Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 8mm	WTH578	\$45.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 5.0 x 3mm	WT2553	\$51.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 5.0 x 4mm	WT2554	\$51.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 5.0 x 6mm	WT2556	\$51.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 5.0 x 8mm	WT2558	\$51.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 6.0 x 3mm	WT2563	\$51.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 6.0 x 4mm	WT2564	\$51.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 6.0 x 6mm	WT2566	\$51.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 6.0 x 8mm	WT2568	\$51.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 7.5 x 3mm	WT2573	\$51.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 7.5 x 4mm	WT2574	\$51.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 7.5 x 6mm	WT2576	\$51.00
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 7.5 x 8mm	WT2578	\$51.00
Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 2mm	WTH62	\$45.00
Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 4mm	WTH64	\$45.00
Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 6mm	WTH66	\$45.00
Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 8mm	WTH68	\$45.00
Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 2mm	WTH672	\$45.00
Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 4mm	WTH674	\$45.00
Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 6mm	WTH676	\$45.00
Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 8mm	WTH678	\$45.00
Wide Diameter 6.0mm EP Two-Piece Healing Abutment 6.0 x 3mm	WT2663	\$51.00
Wide Diameter 6.0mm EP Two-Piece Healing Abutment 6.0 x 4mm	WT2664	\$51.00
Wide Diameter 6.0mm EP Two-Piece Healing Abutment 6.0 x 6mm	WT2666	\$51.00
Wide Diameter 6.0mm EP Two-Piece Healing Abutment 6.0 x 8mm	WT2668	\$51.00
Wide Diameter 6.0mm EP Two-Piece Healing Abutment 7.5 x 3mm	WT2673	\$51.00
Wide Diameter 6.0mm EP Two-Piece Healing Abutment 7.5 x 4mm	WT2674	\$51.00
Wide Diameter 6.0mm EP Two-Piece Healing Abutment 7.5 x 6mm	WT2676	\$51.00
Wide Diameter 6.0mm EP Two-Piece Healing Abutment 7.5 x 8mm	WT2678	\$51.00

### Multiple Patient Use Drills

Round Drill	RD100	\$35.00
Tri-Flute Cylinder Bur - 3.3mm x 13mm	TCB33	\$96.00
Tri-Flute Cylinder Bur - 3.3mm x 18mm	TCB38	\$96.00
Tri-Flute Cylinder Bur - 4.0mm x 13mm	TCB43	\$96.00
Tri-Flute Cylinder Bur - 4.0mm x 18mm	TCB48	\$96.00
Tri-Flute Cylinder Bur - 5.0mm x 8.5mm	TCB58	\$123.00
Tri-Flute Cylinder Bur - 5.0mm x 13mm	TCB53	\$123.00
Tri-Flute Cylinder Bur - 6.0mm x 8.5mm	TCB68	\$123.00
Tri-Flute Cylinder Bur - 6.0mm x 13mm	TCB63	\$123.00
Tri-Spade Twist Drill - 2.00mm x 10mm (Internally Irrigated)	ITD210	\$98.00
Tri-Spade Twist Drill - 2.00mm x 15mm (Internally Irrigated)	ITD215	\$98.00

# SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Multiple Patient Use Drills (Continued)</b>		
Tri-Spade Twist Drill - 2.00mm x 20mm (Internally Irrigated)	ITD220	\$98.00
Tri-Spade Twist Drill - 2.75mm x 10mm (Internally Irrigated)	ITD2710	\$98.00
Tri-Spade Twist Drill - 2.75mm x 15mm (Internally Irrigated)	ITD2715	\$98.00
Tri-Spade Twist Drill - 2.75mm x 20mm (Internally Irrigated)	ITD2720	\$98.00
Tri-Spade Twist Drill - 3.0mm x 10mm (Internally Irrigated)	ITD310	\$98.00
Tri-Spade Twist Drill - 3.0mm x 15mm (Internally Irrigated)	ITD315	\$98.00
Tri-Spade Twist Drill - 3.0mm x 20mm (Internally Irrigated)	ITD320	\$98.00
Tri-Spade Twist Drill - 3.15mm x 10mm (Internally Irrigated)	ITD3110	\$98.00
Tri-Spade Twist Drill - 3.15mm x 15mm (Internally Irrigated)	ITD3115	\$98.00
Tri-Spade Twist Drill - 3.15mm x 20mm (Internally Irrigated)	ITD3120	\$98.00
Tri-Spade Twist Drill - 3.25mm x 10mm (Internally Irrigated)	ITD3210	\$98.00
Tri-Spade Twist Drill - 3.25mm x 15mm (Internally Irrigated)	ITD3215	\$98.00
Tri-Spade Twist Drill - 3.25mm x 20mm (Internally Irrigated)	ITD3220	\$98.00
Tri-Spade Twist Drill - 4.25mm x 8.5mm (Internally Irrigated)	ITD428	\$123.00
Tri-Spade Twist Drill - 4.25mm x 13mm (Internally Irrigated)	ITD423	\$123.00
Tri-Spade Twist Drill - 4.25mm x 18mm (Internally Irrigated)	ITD4218	\$123.00
Tri-Spade Twist Drill - 5.25mm x 8.5mm (Internally Irrigated)	ITD528	\$123.00
Tri-Spade Twist Drill - 5.25mm x 13mm (Internally Irrigated)	ITD523	\$123.00
Tri-Spade Twist Drill - 5.25mm x 18mm (Internally Irrigated)	ITD5218	\$123.00
Twist Drill - 2.3mm x 10mm	TD210	\$96.00
Twist Drill - 2.3mm x 15mm	TD215	\$96.00
Twist Drill - 2.3mm x 20mm	TD220	\$96.00
Twist Drill - 3.0mm x 10mm	TD310	\$96.00
Twist Drill - 3.0mm x 15mm	TD315	\$96.00
Twist Drill - 3.0mm x 20mm	TD320	\$96.00
Twist Drill - 3.15mm x 10mm	TD3110	\$96.00
Twist Drill - 3.15mm x 15mm	TD3115	\$96.00
Twist Drill - 3.15mm x 20mm	TD3120	\$96.00
Twist Drill - 3.25mm x 10mm	TD3210	\$96.00
Twist Drill - 3.25mm x 15mm	TD3215	\$96.00
Twist Drill - 3.25mm x 20mm	TD3220	\$96.00
Countersink Drill for Miniplant®/Standard Diameter Threaded and Cylinder Implants	CD100	\$96.00
Countersink Drill for 4/5mm Expanded Platform Osseotite Implant	CD4500	\$123.00
Countersink Drill for 5/6mm Expanded Platform Osseotite Implant	CD5600	\$123.00
Pilot/Countersink Drill for Wide Diameter Threaded Implants - 5.0mm	CD500	\$123.00
Pilot/Countersink Drill for Wide Diameter Threaded Implants - 6.0mm	CD600	\$123.00
Pilot Drill 2mm - 3mm	PD100	\$96.00
Pilot Drill for Wide Diameter Cylinder Implants - 5.0mm	PD500	\$123.00
Pilot Drill for Wide Diameter Cylinder Implants - 6.0mm	PD600	\$123.00
Pilot Shaping Drill 2/3mm for TG Osseotite™ Implants	PSD100	\$98.00
MicroMiniplant®/Miniplant Bone Tap - 18mm	MTAP1	\$98.00
MicroMiniplant/Miniplant Bone Tap (27mm L) - 18mm	MTAP2	\$98.00
Standard Diameter Bone Tap - 10mm	TAP10	\$98.00
Standard Diameter Bone Tap - 13mm	TAP13	\$98.00



# SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Multiple Patient Use Drills (Continued)</b>		
Standard Diameter Bone Tap - 20mm	TAP20	\$98.00
Bone Tap - 4.0mm Diameter x 10mm	TAP410	\$98.00
Bone Tap - 4.0mm Diameter x 13mm	TAP413	\$98.00
Bone Tap - 4.0mm Diameter x 20mm	TAP420	\$98.00
Wide Diameter Bone Tap - 5.0mm x 8.5mm	TAP58S	\$123.00
Wide Diameter Bone Tap - 5.0mm x 13mm	TAP53S	\$123.00
Wide Diameter Bone Tap - 5.0mm x 18mm	TAP518S	\$123.00
Wide Diameter Bone Tap - 6.0mm x 8.5mm	TAP68S	\$123.00
Wide Diameter Bone Tap - 6.0mm x 13mm	TAP63S	\$123.00
Wide Diameter Bone Tap - 6.0mm x 18mm	TAP618S	\$123.00

<b>Drill Stops</b>		
Drill Stop - 2/3.25mm x 10mm	DS2310	\$5.50
Drill Stop - 2/3.25mm x 15mm	DS2315	\$5.50
Drill Stop - 2/3.25mm x 20mm	DS2320	\$5.50
Drill Stop - 4.25/5.25mm x 8.5mm	DS458	\$5.50
Drill Stop - 4.25/5.25mm x 13mm	DS4513	\$5.50
Drill Stop - 4.25/5.25mm x 18mm	DS4518	\$5.50
Drill Stop Block	DSB100	\$44.00

<b>Single Patient Use Drills</b>		
Round Drill	DR100	\$18.00
Twist Drill - 2.3mm x 10mm	DT210	\$17.00
Twist Drill - 2.3mm x 15mm	DT215	\$17.00
Twist Drill - 2.3mm x 20mm	DT220	\$18.00
Twist Drill - 2.75mm x 10mm	DT2710	\$17.00
Twist Drill - 2.75mm x 15mm	DT2715	\$17.00
Twist Drill - 2.75mm x 20mm	DT2720	\$18.00
Twist Drill - 3.0mm x 10mm	DT310	\$17.00
Twist Drill - 3.0mm x 15mm	DT315	\$17.00
Twist Drill - 3.0mm x 20mm	DT320	\$18.00
Twist Drill - 3.15mm x 10mm	DT3110	\$17.00
Twist Drill - 3.15mm x 15mm	DT3115	\$17.00
Twist Drill - 3.15mm x 20mm	DT3120	\$18.00
Twist Drill - 3.25mm x 10mm	DT3210	\$17.00
Twist Drill - 3.25mm x 15mm	DT3215	\$17.00
Twist Drill - 3.25mm x 20mm	DT3220	\$18.00
Twist Drill - 4.25mm x 8.5mm	DT428	\$17.00
Twist Drill - 4.25mm x 13mm	DT423	\$17.00
Twist Drill - 4.25mm x 18mm	DT4218	\$18.00
Twist Drill - 5.25mm x 8.5mm	DT528	\$17.00
Twist Drill - 5.25mm x 13mm	DT523	\$17.00
Twist Drill - 5.25mm x 18mm	DT5218	\$18.00
Countersink Drill	DC100	\$23.00
Pilot/Countersink Drill for Wide Diameter Threaded Implants - 5.0mm	DC500	\$24.00
Pilot/Countersink Drill for Wide Diameter Threaded Implants - 6.0mm	DC600	\$24.00

## SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Single Patient Use Drills (Continued)</b>		
Pilot Drill	DP100	\$18.00
Pilot Shaping Drill 2/3mm for TG Osseotite® Implants	DPS100	\$17.00
<b>Single Patient Use Drill Kits</b>		
3-Pack Single Patient Use Drill Kit for Implants - 10mm	DDK210	\$28.00
3-Pack Single Patient Use Drill Kit for Implants - 15mm	DDK215	\$28.00
3-Pack Single Patient Use Drill Kit for Implants - 20mm	DDK220	\$28.00
3-Pack Single Patient Use Drill Kit for TG Osseotite Implants - 10mm	DKTG10	\$28.00
3-Pack Single Patient Use Drill Kit for TG Osseotite Implants - 15mm	DKTG15	\$28.00
5-Pack Single Patient Use Drill Kit for Osseotite XP 3/4 and Miniplants -	DDK2710	\$60.00
5-Pack Single Patient Use Drill Kit for Osseotite XP 3/4 and Miniplants -	DDK2715	\$60.00
5-Pack Single Patient Use Drill Kit for Osseotite XP 3/4 and Miniplants -	DDK2720	\$60.00
5-Pack Single Patient Use Drill Kit for Miniplants and Standard Diameter Implants - Twist Drill 3.0mm x 10mm	DDK310	\$60.00
5-Pack Single Patient Use Drill Kit for Miniplants and Standard Diameter Implants - Twist Drill 3.0mm x 15mm	DDK315	\$60.00
5-Pack Single Patient Use Drill Kit for Miniplants and Standard Diameter Implants - Twist Drill 3.0mm x 20mm	DDK320	\$60.00
5-Pack Single Patient Use Drill Kit for Standard Diameter Implants -Twist Drill 3.25mm x 10mm	DDK3210	\$60.00
5-Pack Single Patient Use Drill Kit for Standard Diameter Implants -Twist Drill 3.25mm x 15mm	DDK3215	\$60.00
5-Pack Single Patient Use Drill Kit for Standard Diameter Implants -Twist Drill 3.25mm x 20mm	DDK3220	\$60.00
<b>Surgical Products</b>		
Basic Plastic Surgical Kit for Threaded Implants	PSKT10	\$1,495.00
Standard Plastic Surgical Kit for Threaded Implants	PSKT20	\$3,395.00
Premium Plastic Surgical Kit for Threaded Implants	PSKT30	\$4,895.00
Standard Surgical Kit for Cylinder Implants without Drills	SKT25A	\$1,660.00
Standard Surgical Kit for Cylinder Implants	SKT25	\$2,839.00
Standard Surgical Kit for Threaded Implants	SKT20	\$2,850.00
TG Osseotite® Placement Kit	TGKIT	\$1,500.00
TG Osseotite Conversion Kit	TGKITC	\$325.00
Miniplant/Standard Diameter Cover Screw Inserter	CSI10	\$98.00
Wide Diameter 5.0mm Cover Screw Inserter	CSI50	\$98.00
Wide Diameter 6.0mm Cover Screw Inserter	CSI60	\$98.00
Cylinder Implant Depth Gauge - 3.3mm	IDG30	\$40.00
Cylinder Implant Depth Gauge - 4.0mm	IDG40	\$51.00
Cylinder Implant Depth Gauge - 5.0mm	IDG50	\$51.00
Cylinder Implant Depth Gauge - 6.0mm	IDG60	\$51.00
Direction Indicator - 2.3mm x 10mm	D12310	\$18.00
Direction Indicator - 2.3mm x 15mm	D12315	\$20.00
Drill Extension	DE016	\$41.00
Gelb Radiographic Depth Gauge Kit, 2.3mm diameter	XDG01	\$99.00

## SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Surgical Products (Continued)</b>		
Gelb Radiographic Depth Gauge, 2.3mm x 13mm	XDG2313	\$23.00
Gelb Radiographic Depth Gauge, 2.3mm x 20mm	XDG2320	\$23.00
Hand-Piece Connector	MDR10	\$106.00
TG Ratchet Adapter	MDR10H	\$106.00
Implant Depth Probe	DP020	\$113.00
Wide Implant Depth Probe	WDP02	\$135.00
Implant Seating Instrument - Anterior	ISI10	\$68.50
Implant Seating Instrument - Posterior	ISI15	\$68.50
Mallet	MALL1	\$51.00
Open End Wrench	CW100	\$98.00
Pre-Angled Surgical Guide Kit	PMKIT	\$320.00
Radiographic Marking Balls - 30 Pack	RMB30	\$19.00
Ratchet Extension - 6mm	RE100	\$77.00
Ratchet Extension - 15mm	RE200	\$88.00
Ratchet Wrench	WR150	\$188.00
Stent Guide Tubes - 25 Pack	SGT25	\$29.00
TG Osseotite® Positive Reversal Mount	TGPRM	\$52.00
Surgical Drilling Unit	DU300	\$5,849.00
Miniplant®, Standard, Wide Diameter Mount, 15mmL	ICO15	\$106.00
Surgical Index Coping Assembly	IC100	\$70.00
Index Coping Drill Guide	IC106	\$20.00
Index Coping Drill	ID100	\$17.00
Surgical Kit for 3.3/4.0/4.25mm Cylinder Implants	SKT23	\$595.00
Surgical Kit for 5.0/6.0mm Wide Diameter Cylinder Implants	SKT24	\$825.00
Surgical Kit for 5.0/6.0mm Wide Diameter Threaded Implants	SKT22	\$1,660.00
Plastic Organizer Tray	PTT100	\$225.00
Plastic Surgical Tray	PTT300	\$570.00
No-Touch Mini Surgical Block	TT150	\$70.00
Surgical Tray and Blue Drill Organizing Block	TT300	\$884.00
Aluminum Surgical Tray	TT250	\$375.00
Tissue Measuring Post	TMP80	\$94.00
Tissue Punch Standard	TP001	\$31.00
Tissue Punch 5.0mm	TP005	\$31.00
Tissue Punch 6.0mm	TP006	\$31.00
Titanium Curette 11/12 Gracey Configuration	TC012	\$42.50
Titanium Curette 13/14 Gracey Configuration	TC034	\$42.50
Titanium Curette 7/8 Gracey Configuration	TC078	\$42.50
Titanium Curette Kit	TCKIT	\$86.00
Titanium Elevator	TE003	\$143.00
Titanium Forceps	TF002	\$135.00
Titanium Suction Tip	TST01	\$142.00
<b>Bone Profilers</b>		
MicroMiniplant™ Bone Profiler - 3.4mm dia/4mm Flare	BP340	\$98.00
Standard Diameter Bone Profiler Kit	BPKIT	\$260.00
Miniplant/Standard Bone Profiler - 4.1mm dia/5mm Flare	BP450	\$98.00

## SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Bone Profilers (Continued)</b>		
Miniplant®/Standard Bone Profiler - 4.1mm dia/6mm Flare	BP460	\$98.00
Miniplant/Standard Bone Profiler - 4.1mm dia/7.5mm Flare	BP475	\$98.00
Organizer Box for Standard Diameter Bone Profiler Kit	BPKITB	\$41.00
Wide Diameter Bone Profiler Kit - 5.0/6.0mm Implants	BPAKT	\$425.00
Wide Diameter Bone Profiler 5mm dia/5mm Flare	BP550	\$98.00
Wide Diameter Bone Profiler 5mm dia/6mm Flare	BP560	\$98.00
Wide Diameter Bone Profiler 5mm dia/7.5mm Flare	BP575	\$98.00
Wide Diameter Bone Profiler 6mm dia/6mm Flare	BP660	\$98.00
Wide Diameter Bone Profiler 6mm dia/7.5mm Flare	BP675	\$98.00
Organizer Box for Wide Diameter Bone Profiler Kit	BPAKTB	\$41.00
<b>Biogran® Bone Graft Material</b>		
Autogenous Tissue Collector, 5-Pack	ATC05	\$62.40
Biogran 750mg Glass Syringe 2-Pack	2100-0001	\$141.00
Biogran 750mg Glass Syringe 7-Pack	2100-0002	\$463.00
Biogran 500mg Mixing Cup 7-Pack	2100-0003	\$317.00
Biogran 750mg Mixing Cup 7-Pack	2100-0004	\$426.00
Biogran 1500mg Mixing Cup 7-Pack	2100-0005	\$572.00
<b>Regenerative Therapy</b>		
BioTack™ Instrumentation System	BIOIS	\$723.00
BioTack Drill	BIOD1	\$54.00
BioTack Angled Driver	BIOAD	\$151.00
BioTack Straight Driver	BIOSD	\$140.00
Membrane Stabilizer/Punch Single Point	OFMS0	\$45.00
Membrane Stabilizer Double Point	OFMS1	\$141.00
BioTack Instrumentation Tray	BIOIT	\$286.00
BioTack Two Pack	BIO2P	\$25.00
BioTack Three Pack	BIO3P	\$37.50
OsseoFix Guided Bone Regeneration System	OFKIT2	\$2,631.00
OsseoFix Select Membrane Stabilizing System	OFSKT	\$864.00
OsseoFix Select Autoclave Case	OFKAC	\$164.00
OsseoFix System Organizer Tray	OFKT1	\$308.00
OsseoFix Select System Tray	OFKT2	\$210.00
OsseoFix Drill - Lag 9mm	OFLD9	\$56.00
OsseoFix Drill 3mm	OFDR3	\$55.00
OsseoFix Drill 4mm	OFDR4	\$55.00
OsseoFix Drill 8mm	OFDR8	\$55.00
OsseoFix Microplate Bender/Cutter	OFKBC1	\$137.00
OsseoFix Microplate - Single Row	OFF01	\$50.00
OsseoFix Microplate - Three Row	OFF03	\$94.00
OsseoFix Squaredrive Posterior Screwdriver	OFPDQ1	\$104.00
OsseoFix Squaredrive Long Screwdriver	OFLDQ1	\$164.00
OsseoFix Squaredrive Right Angle	OFRAQ1	\$82.00
OsseoFix 1mm Round Drill	OFRD1	\$25.00
OsseoFix Square Drive Screw 5pk 1mm x 3mmL	OFSQ13	\$112.00

## SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Regenerative Therapy (Continued)</b>		
OsseoFix Square Drive Screw 5pk 1mm x 4mmL	OFSQ14	\$112.00
OsseoFix Square Drive Screw 5pk 1mm x 6mmL	OFSQ16	\$112.00
OsseoFix Square Drive Screw 5pk 1mm x 8mmL	OFSQ18	\$112.00
OsseoFix Square Drive Screw 5pk 1mm x 10mmL	OFSQ110	\$112.00
OsseoFix Square Drive Screw 5pk 1mm x 12mmL	OFSQ112	\$112.00
OsseoFix Square Drive Screw 5pk 1.2mm x 3mmL	OFSQW3	\$112.00
OsseoFix Square Drive Screw 5pk 1.2mm x 4mmL	OFSQW4	\$112.00
OsseoFix Square Drive Screw 5pk 1.2mm x 6mmL	OFSQW6	\$112.00
OsseoFix Square Drive Screw 5pk 1.2mm x 8mmL	OFSQW8	\$112.00
OsseoFix Square Drive Screw 5pk 1.2mm x 10mmL	OFSQW10	\$112.00
OsseoFix Square Drive Screw 5pk 1.2mm x 12mmL	OFSQW12	\$112.00
Quetin Bone-Mill, Stainless Steel	QBM001	\$2,340.00

<b>Advanced Therapy</b>		
Trephine Bur 2mm dia	TRE02	\$109.00
Trephine Bur 4mm dia	TRE04	\$109.00
Trephine Bur 5mm dia	TRE05	\$109.00
Trephine Bur 6mm dia	TRE06	\$109.00
Trephine Bur 8mm dia	TRE08	\$109.00
Sinus Elevation Kit	SEKT1	\$503.00
Single End Membrane Elevator	ME100	\$51.00
Double End Membrane Elevator - Medium	ME200	\$69.00
Double End Membrane Elevator - Large	ME300	\$69.00
Titanium Plugger - Large	TIPL1	\$51.00
Titanium Plugger - Small	TIPS1	\$51.00
Titanium Coated Bone Carrier	TIBC1	\$153.00
Sinus Elevation Kit Tray Only	SEKTR	\$155.00
Summers Osteotome Kit, 1-4	OST00	\$444.00
Summers Osteotome Kit, 1-5	OST10	\$498.00
Summers Osteotome Kit, 1-FS	OST20	\$551.00
Summers Osteotome - #1	OST01	\$100.00
Summers Osteotome - #2	OST02	\$100.00
Summers Osteotome - #3	OST03	\$100.00
Summers Osteotome - #4	OST04	\$100.00
Osteotome for 5mm Wide Implants	OST05	\$100.00
Osteotome for Future Site	OSTFS	\$100.00
Osteotome Kit Tray Only	OSTTR	\$105.00

<b>3X Implant Models</b>		
Osseotite® Implant 4.0mm x 13.0mm, 3X Model	OSSMOD1	\$40.00
Osseotite XP Implant 4/5mm x 13.0mm, 3X Model	XPMOD1	\$40.00
TG Osseotite™ Implant 2.8mm Collar, 4.0mm x 13.0mm with post, 3X Model	TGMOD1	\$40.00
Implant Model Base - For One Implant	MODELBASE	\$0.00

# Restorative Products

## **Products Listed By Description**



# RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>MicroMiniplant™ Abutments</b>		
<b>Prep-Tite™ Abutment Series</b>		
*MicroMiniplant GingiHue™ Post 3.4mm x 3.8mm x 2mm	MAP32G	\$78.00
*MicroMiniplant GingiHue Post 3.4mm x 3.8mm x 4mm	MAP34G	\$78.00
*MicroMiniplant 150 Pre-Angled GingiHue™ Post 3.4mm x 3.8mm x 2mm	MPAP32G	\$98.00
*MicroMiniplant 150 Pre-Angled GingiHue Post 3.4mm x 3.8mm x 4mm	MPAP34G	\$98.00
*MicroMiniplant UCLA Gold Hexed Abutment Cylinder	MUCG1C	\$92.00
MicroMiniplant Conical Abutment 1mm	MCA31	\$125.00
MicroMiniplant Conical Abutment 2mm	MCA32	\$125.00
MicroMiniplant Conical Abutment 3mm	MCA33	\$125.00
MicroMiniplant Conical Abutment 4mm	MCA34	\$125.00

<b>Miniplant™ Standard Diameter Abutments</b>		
<b>Prep-Tite™ Abutment Series</b>		
*GingiHue™ Post 4.1mm x 5mm x 2mm	APP452G	\$78.00
*GingiHue Post 4.1mm x 5mm x 4mm	APP454G	\$78.00
*GingiHue Post 4.1mm x 6mm x 2mm	APP462G	\$78.00
*GingiHue Post 4.1mm x 6mm x 4mm	APP464G	\$78.00
*GingiHue Post 4.1mm x 7.5mm x 2mm	APP472G	\$78.00
*GingiHue Post 4.1mm x 7.5mm x 4mm	APP474G	\$78.00
*15° Pre-Angled GingiHue™ Post 4.1mm x 5mm x 2mm	PAP452G	\$101.00
*15° Pre-Angled GingiHue Post 4.1mm x 5mm x 4mm	PAP454G	\$101.00
*15° Pre-Angled GingiHue Post 4.1mm x 6mm x 2mm	PAP462G	\$101.00
*15° Pre-Angled GingiHue Post 4.1mm x 6mm x 4mm	PAP464G	\$101.00
*15° Pre-Angled GingiHue Post 4.1mm x 7.5mm x 2mm	PAP472G	\$101.00
*15° Pre-Angled GingiHue Post 4.1mm x 7.5mm x 4mm	PAP474G	\$101.00
*ZiReal™ Post 4.1mm x 5mm x 4mm	CAP454	\$159.00
*ZiReal™ Post 4.1mm x 6mm x 4mm	CAP464	\$159.00
Gold Post™ Abutment 1mm	GPA01	\$130.00
Gold Post Abutment 2mm	GPA02	\$130.00
Gold Post Abutment 3mm	GPA03	\$130.00
Gold Post Abutment 4mm	GPA04	\$130.00
[]STA® - Single Tooth Abutment 1mm	STA451	\$185.00
[]STA - Single Tooth Abutment 2mm	STA452	\$185.00
[]STA - Single Tooth Abutment 3mm	STA453	\$185.00
[]STA - Single Tooth Abutment 4mm	STA454	\$185.00
[]STA - Single Tooth Abutment 5mm	STA455	\$185.00
*UCLA Gold Standard ZR™ Hexed Abutment Cylinder	SGUCA1C	\$92.00
*UCLA Gold Hexed Abutment Cylinder	GUCA1C	\$92.00
*UCLA Gold Non-Hexed Abutment Cylinder	GUCA2C	\$92.00
*UCLA Castable Plastic Hexed Abutment Cylinder	UNAB1C	\$42.00
*UCLA Castable Plastic Non-Hexed Abutment Cylinder	UNAB2C	\$42.00
*UCLA Castable Plastic Hexed Abutment Cylinders 25 Pack	UNA125	\$865.00
*UCLA Castable Plastic Non-Hexed Abutment Cylinders 25 Pack	UNA225	\$865.00
Conical Abutment 1mm	CA001	\$125.00
Conical Abutment 2mm	CA002	\$125.00
Conical Abutment 3mm	CA003	\$125.00

\*Use of square Gold-Tite™ Uniscrew recommended.  
 [] Packaged with a square Gold-tite Uniscrew.

# RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Miniplant*/Standard Diameter Abutments (Continued)</b>		
Conical Abutment 4mm	CA004	\$125.00
Conical Abutment 5.5mm	CA055	\$125.00
Conical Gold Standard ZR™ Abutment 1mm	SCA001	\$125.00
Conical Gold Standard ZR Abutment 2mm	SCA002	\$125.00
Conical Gold Standard ZR Abutment 3mm	SCA003	\$125.00
Conical Gold Standard ZR Abutment 4mm	SCA004	\$125.00
Conical Gold Standard ZR Abutment 5mm	SCA005	\$125.00
Standard Abutment 2mm	AB200	\$120.00
Standard Abutment 3mm	AB300	\$120.00
Standard Abutment 4mm	AB400	\$120.00
Standard Abutment 5.5mm	AB550	\$120.00
Standard Abutment 7mm	AB700	\$120.00
*Pre-Angled Abutment 150 x 2mm Cylinder	PA152C	\$126.00
*Pre-Angled Abutment 150 x 4mm Cylinder	PA154C	\$126.00
*Pre-Angled Abutment 150 x 6mm Cylinder	PA156C	\$126.00
*Pre-Angled Abutment 250 x 2mm Cylinder	PA252C	\$135.00
*Pre-Angled Abutment 250 x 4mm Cylinder	PA254C	\$135.00
*Pre-Angled Abutment 250 x 6mm Cylinder	PA256C	\$135.00
O-Ring Abutment 2mm	OSO20	\$122.00
O-Ring Abutment 4mm	OSO40	\$122.00
O-Ring Abutment 6mm	OSO60	\$122.00
Dal-Ro Abutment 2mm	DRA20	\$122.00
Dal-Ro Abutment 4mm	DRA40	\$122.00
Dal-Ro Abutment 6mm	DRA60	\$122.00
<b>Wide Diameter 5.0mm Abutments</b>		
<b>Prep-Tite™ Abutment Series</b>		
*GingiHue™ Post 5mm x 5mm x 2mm	WPP552G	\$81.00
*GingiHue Post 5mm x 5mm x 4mm	WPP554G	\$81.00
*GingiHue Post 5mm x 6mm x 2mm	WPP562G	\$81.00
*GingiHue Post 5mm x 6mm x 4mm	WPP564G	\$81.00
*GingiHue Post 5mm x 7.5mm x 2mm	WPP572G	\$81.00
*GingiHue Post 5mm x 7.5mm x 4mm	WPP574G	\$81.00
*15° Pre-Angled GingiHue™ Post 5mm x 5mm x 2mm	PAP552G	\$101.00
*15° Pre-Angled GingiHue Post 5mm x 5mm x 4mm	PAP554G	\$101.00
*15° Pre-Angled GingiHue Post 5mm x 6mm x 2mm	PAP562G	\$101.00
*15° Pre-Angled GingiHue Post 5mm x 6mm x 4mm	PAP564G	\$101.00
*15° Pre-Angled GingiHue Post 5mm x 7.5mm x 2mm	PAP572G	\$101.00
*15° Pre-Angled GingiHue Post 5mm x 7.5mm x 4mm	PAP574G	\$101.00
*ZiReal™ Post 5mm x 6mm x 4mm	WCAP564	\$159.00
*ZiReal Post 5mm x 7.5mm x 4mm	WCAP574	\$159.00
[]STA® - Single Tooth Abutment 1mm	STA551	\$195.00
[]STA - Single Tooth Abutment 2mm	STA552	\$195.00
[]STA - Single Tooth Abutment 3mm	STA553	\$195.00
*UCLA Gold Standard ZR™ Hexed Abutment Cylinder	SWGA51C	\$100.00
*UCLA Gold Hexed Abutment Cylinder	WGA51C	\$100.00

\*Use of square Gold-Tite™ Uniscrew recommended.  
 [] Packaged with a square Gold-Tite Uniscrew.



# RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Wide Diameter 5.0mm Abutments (Continued)</b>		
*UCLA Gold Non-Hexed Abutment Cylinder	WGA52C	\$98.00
*UCLA Castable Plastic Hexed Abutment Cylinder	WPC51C	\$50.00
*UCLA Castable Plastic Non-Hexed Abutment Cylinder	WPC52C	\$50.00
Conical Abutment 1mm	WCA51	\$135.00
Conical Abutment 2mm	WCA52	\$135.00
Conical Abutment 3mm	WCA53	\$135.00
Conical Abutment 4mm	WCA54	\$135.00
Conical Abutment 5.5mm	WCA55	\$135.00
Conical Gold Standard ZR™ Abutment 1mm	SWCA51	\$135.00
Conical Gold Standard ZR Abutment 2mm	SWCA52	\$135.00
Conical Gold Standard ZR Abutment 3mm	SWCA53	\$135.00
Conical Gold Standard ZR Abutment 4mm	SWCA54	\$135.00
Conical Gold Standard ZR Abutment 5mm	SWCA55	\$135.00
Standard Abutment 2mm	WAB200	\$122.00
Standard Abutment 3mm	WAB300	\$122.00
Standard Abutment 4mm	WAB400	\$122.00
Standard Abutment 5.5mm	WAB550	\$122.00
O-Ring Abutment 2mm	WOSO20	\$132.00
O-Ring Abutment 4mm	WOSO40	\$132.00
O-Ring Abutment 6mm	WOSO60	\$132.00

## Wide Diameter 6.0mm Abutments

### Prep-Tite™ Abutment Series

*GingiHue™ Post 6mm x 6mm x 2mm	WPP662G	\$81.00
*GingiHue Post 6mm x 6mm x 4mm	WPP664G	\$81.00
*GingiHue Post 6mm x 7.5mm x 2mm	WPP672G	\$81.00
*GingiHue Post 6mm x 7.5mm x 4mm	WPP674G	\$81.00
*150 Pre-Angled GingiHue™ Post 6mm x 6mm x 2mm	PAP662G	\$101.00
*150 Pre-Angled GingiHue Post 6mm x 6mm x 4mm	PAP664G	\$101.00
*150 Pre-Angled GingiHue Post 6mm x 7.5mm x 2mm	PAP672G	\$101.00
*150 Pre-Angled GingiHue Post 6mm x 7.5mm x 4mm	PAP674G	\$101.00
[]STA® - Single Tooth Abutment 1mm	STA661	\$195.00
[]STA - Single Tooth Abutment 2mm	STA662	\$195.00
[]STA - Single Tooth Abutment 3mm	STA663	\$195.00
*UCLA Gold Standard ZR™ Hexed Abutment Cylinder	SWGA61C	\$100.00
*UCLA Gold Hexed Abutment Cylinder	WGA61C	\$100.00
*UCLA Gold Non-Hexed Abutment Cylinder	WGA62C	\$100.00
*UCLA Castable Plastic Hexed Abutment Cylinder	WPC61C	\$50.00
*UCLA Castable Plastic Non-Hexed Abutment Cylinder	WPC62C	\$50.00
Conical Abutment 1mm	WCA61	\$135.00
Conical Abutment 2mm	WCA62	\$135.00
Conical Abutment 3mm	WCA63	\$135.00
Conical Abutment 4mm	WCA64	\$135.00
Conical Abutment 5.5mm	WCA65	\$135.00
Conical Gold Standard ZR™ Abutment 1mm	SWCA61	\$135.00
Conical Gold Standard ZR Abutment 2mm	SWCA62	\$135.00

\*Use of square Gold-Tite™ Uniscrew recommended.  
 [] Packaged with a square Gold-tite Uniscrew.

# RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Wide Diameter 6.0mm Abutments</b>		
Conical Gold Standard ZR Abutment 3mm	SWCA63	\$135.00
Conical Gold Standard ZR Abutment 4mm	SWCA64	\$135.00
Conical Gold Standard ZR Abutment 5mm	SWCA65	\$135.00
<b>TG Osseotite® Abutments</b>		
TG Post 4mm	TGPF04	\$85.00
TG Post 5.5mm	TGPF55	\$85.00
TG Post 7mm	TGPF07	\$85.00
TG Pre-Angled Post 15o (Hexed Gold-Tite™ retaining screw included)	TGPA15	\$125.00
TG Pre-Angled Post 25o (Hexed Gold-Tite™ retaining screw included)	TGPA25	\$125.00
TG Hex Abutment	TGA01	\$99.00
TG O-Ring Abutment 0mm	TGOS00	\$60.00
TG O-Ring Abutment 2mm	TGOS02	\$60.00
TG O-Ring Abutment 4mm	TGOS04	\$60.00
TG Dal-Ro Abutment 0mm	TGDRA0	\$60.00
TG Dal-Ro Abutment 2mm	TGDRA2	\$60.00
<b>Healing Caps</b>		
Prep-Tite™ Cap 5mm(H) Fits: MAP32G, MAP34G	PTC345	\$12.50
Prep-Tite Cap 7mm(H) Fits: MAP32G, MAP34G	PTC347	\$12.50
Prep-Tite Cap 5mm(H) Fits: APP452G, APP454G	PTC455	\$12.50
Prep-Tite Cap 7mm(H) Fits: APP452G, APP454G	PTC457	\$12.50
Prep-Tite Cap 5mm(H) Fits: APP462G, APP464G, WPP562G, WPP564G	PTC465	\$12.50
Prep-Tite Cap 7mm(H) Fits: APP462G, APP464G, WPP562G, WPP564G	PTC467	\$12.50
Prep-Tite Cap 5mm(H) Fits: APP472G, APP474G, WPP572G, WPP574G, WPP672G, WPP674G	PTC475	\$12.50
Prep-Tite Cap 7mm(H) Fits: APP472G, APP474G, WPP572G, WPP574G, WPP672G, WPP674G	PTC477	\$12.50
Prep-Tite Cap 5mm(H) Fits: WPP552G, WPP554G	PTC555	\$12.50
Prep-Tite Cap 7mm(H) Fits: WPP552G, WPP554G	PTC557	\$12.50
Prep-Tite Cap 5mm(H) Fits: WPP662G, WPP664G	PTC665	\$12.50
Prep-Tite Cap 7mm(H) Fits: WPP662G, WPP664G	PTC667	\$12.50
MicroMiniplant™ Conical Healing Cap	MHC33	\$19.00
[]STA® Healing Cap 5mm	STTH5	\$20.00
[]STA Healing Cap 6mm	STTH56	\$20.00
[]STA Healing Cap 7.5mm	STTH57	\$20.00
Conical Healing Cap 5mm for 4.1mm and 5mm (D) Platforms	CS250	\$18.00
Conical Healing Cap 6mm	CS260	\$18.00
Conical Healing Cap 7.5mm	CS270	\$18.00
Standard Abutment Healing Cap	TS250	\$18.00
Wide Diameter 6mm Conical Healing Cap 6mm	WCS66	\$20.00
Wide Diameter 6mm Conical Healing Cap 7.5mm	WCS67	\$20.00
Wide Diameter 6mm STA Healing Cap 6mm	STTH6	\$20.00
Wide Diameter 6mm STA Healing Cap 7.5mm	STTH67	\$20.00
TG Post Lok-Cap™ 4mm	TGLC04	\$12.00
TG Post Lok-Cap 5.5mm	TGLC55	\$12.00

\*Use of square Gold-Tite™ Uniscrew recommended.  
 [] Packaged with a square Gold-Tite Uniscrew.

# RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Healing Caps (Continued)</b>		
TG Post Lok-Cap 7mm	TGLC07	\$12.00
TG Hex Abutment Healing Cap	TGAHC	\$15.00
<b>Implant Impression Copings</b>		
MicroMiniplant™ Pick-up Coping	MIC33	\$38.00
Implant Pick-up Coping 5mm	IIC12	\$39.00
Implant Pick-up Coping 6mm	IIC60	\$39.00
Implant Pick-up Coping 7.5mm	IIC75	\$39.00
Implant Twist Lock™ Coping 5mm	IIC45	\$39.00
Implant Twist Lock Coping 6mm	IIC46	\$39.00
Implant Twist Lock Coping 7.5mm	IIC47	\$39.00
5mm Implant Pick-up Coping 5mm	WIP55	\$43.50
5mm Implant Pick-up Coping 6mm	WIP56	\$43.50
5mm Implant Pick-up Coping 7.5mm	WIP57	\$43.50
6mm Implant Pick-up Coping 6mm	WIP66	\$43.50
6mm Implant Pick-up Coping 7.5mm	WIP67	\$43.50
5mm Implant Twist Lock Coping 5mm	WIT55	\$43.50
5mm Implant Twist Lock Coping 6mm	WIT56	\$43.50
5mm Implant Twist Lock Coping 7.5mm	WIT57	\$43.50
6mm Implant Twist Lock Coping 6mm	WIT66	\$43.50
6mm Implant Twist Lock Coping 7.5mm	WIT67	\$43.50
<b>Abutment Impression Copings</b>		
MicroMiniplant™ Conical Coping	MEC33	\$36.50
STA® Pick-up Coping w/5mm Emergence Profile	SPIC5	\$26.00
STA Pick-up Coping w/6mm Emergence Profile	SPIC56	\$26.00
STA Pick-up Coping w/7.5mm Emergence Profile	SPIC57	\$26.00
STA Twist Lock™ Coping w/5mm Emergence Profile	STIC5	\$26.00
STA Twist Lock Coping w/6mm Emergence Profile	STIC56	\$26.00
STA Twist Lock Coping w/7.5mm Emergence Profile	STIC57	\$26.00
Conical Pick-up Coping 5mm Emergence Profile Non-Hexed	CSQI7	\$22.00
Conical Pick-up Coping 6mm Emergence Profile Non-Hexed	CSQ06	\$22.00
Conical Pick-up Coping 7.5mm Emergence Profile Non-Hexed	CSQ07	\$22.00
Conical Pick-up Coping 5mm Emergence Profile Hexed	CNRI6	\$31.00
Conical Pick-up Coping 6mm Emergence Profile Hexed	CSQN6	\$32.00
Conical Pick-up Coping 7.5mm Emergence Profile Hexed	CSQN7	\$32.00
Conical Twist Lock Coping 5mm Emergence Profile Non-Hexed	CIC55	\$19.00
Conical Twist Lock Coping 6mm Emergence Profile Non-Hexed	CIC56	\$19.00
Conical Twist Lock Coping 7.5mm Emergence Profile Non-Hexed	CIC57	\$19.00
Standard Abutment Pick-up Coping	SQIC7	\$20.00
Standard Abutment Transfer Coping	SIC70	\$18.00
Conical Pick-up Coping for 6mm Implant w/6mm Emergence Profile Hexed	WCP661	\$36.50
Conical Pick-up Coping for 6mm Implant w/7.5mm Emergence Profile Hexed	WCP671	\$36.50
Conical Pick-up Coping for 6mm Implant w/6mm Emergence Profile Non-Hexed	WCP662	\$36.50
Conical Pick-up Coping for 6mm Implant w/7.5mm Emergence Profile Non-Hexed	WCP672	\$36.50
Conical Twist Lock Coping for 6mm Implant w/6mm Emergence Profile Hexed	WCT661	\$36.50

\*Use of square Gold-Tite™ Uniscrew recommended.  
 [] Packaged with a square Gold-tite Uniscrew.

## RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Abutment Impression Copings (Continued)</b>		
Conical Twist Lock Coping for 6mm Implant w/7.5mm Emergence Profile Hexed	WCT671	\$36.50
Conical Twist Lock Coping for 6mm Implant w/6mm Emergence Profile Non-Hexed	WCT662	\$36.50
Conical Twist Lock Coping for 6mm Implant w/7.5mm Emergence Profile Non-Hexed	WCT672	\$36.50
Wide Diameter 6mm STA Pick-up Coping 6mm	SPIC6	\$26.00
Wide Diameter 6mm STA Pick-up Coping 7.5mm	SPIC67	\$26.00
Wide Diameter 6mm STA Twist Lock Coping 6mm	STIC6	\$26.00
Wide Diameter 6mm STA Twist Lock Coping 7.5mm	STIC67	\$26.00
TG Hex Abutment Pick-up Coping	TGAPIC	\$28.00
TG Hex Abutment Twist Lock™ Coping	TGATIC	\$28.00
TG Post Impression Coping 4mm	TGPIC4	\$8.00
TG Post Impression Coping 5.5mm	TGPIC5	\$8.00
TG Post Impression Coping 7mm	TGPIC7	\$8.00

<b>Analog</b>		
MicroMiniplant™ Implant Lab Analog	MMILA	\$18.00
MicroMiniplant Conical Lab Analog	MMCLA	\$16.00
Implant Lab Analog	ILA20	\$17.00
STA® Lab Analog	STLA5	\$18.00
Conical Lab Analog	CLA20	\$12.00
Standard Abutment Lab Analog	SLA20	\$12.00
Wide Diameter 5mm Implant Lab Analog	ILAW5	\$24.00
Wide Diameter 6mm Implant Lab Analog	ILAW6	\$24.00
Wide Diameter 6mm Conical Lab Analog	WCLA6	\$18.00
Wide Diameter 6mm STA Lab Analog	STLA6	\$18.00
TG Hex Abutment Lab Analog	TGALA	\$20.00
TG Post Lab Analog 4mm	TGPLA4	\$20.00
TG Post Lab Analog 5.5mm	TGPLA5	\$20.00
TG Post Lab Analog 7mm	TGPLA7	\$20.00
TG O-Ring Lab Analog 0mm	TGORA0	\$22.00
TG O-Ring Lab Analog 2mm/4mm	TGORA2	\$22.00

<b>Temporary Cylinders</b>		
MicroMiniplant™ Implant Temporary Cylinder Hexed Only	MMTC1	\$48.00
MicroMiniplant Conical Temporary Cylinder Hexed	MCTC1	\$26.00
MicroMiniplant Conical Temporary Cylinder Non-Hexed	MCTC2	\$26.00
Miniplant®/Standard Diameter Implant Temporary Cylinder Hexed	ITCH0	\$48.00
Miniplant/Standard Diameter Implant Temporary Cylinder Non-Hexed	ITCH1	\$48.00
Miniplant/Standard Diameter Implant Retention Cylinder - 2mm	THRC4	\$40.00
Miniplant/Standard Diameter Implant Retention Cylinder - 4mm	THRC6	\$40.00
STA® Temporary Cylinder for 4.1mm/5mm Implant	STTC5	\$16.50
Conical Temporary Cylinder for 4.1mm/5mm Implant Hexed	CNC30	\$26.00
Conical Temporary Cylinder for 4.1mm/5mm Implant Non-Hexed	CC300	\$26.00
Standard Abutment Temporary Cylinder for Miniplant/Standard Diameter Implant	TC300	\$25.00
Implant - Wide Diameter 5mm Temporary Cylinder Hexed	WTC51	\$55.00
Implant - Wide Diameter 5mm Temporary Cylinder Non-Hexed	WTC52	\$55.00
Implant - Wide Diameter 6mm Temporary Cylinder Hexed	WTC61	\$55.00

\*Use of square Gold-Tite™ Uniscrew recommended.  
 □ Packaged with a square Gold-Tite Uniscrew.

## RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Temporary Cylinders (Continued)</b>		
Implant - Wide Diameter 6mm Temporary Cylinder Non-Hexed	WTC62	\$55.00
Conical - Wide Diameter 6mm Temporary Cylinder Hexed	WCTC60	\$30.00
Conical - Wide Diameter 6mm Temporary Cylinder Non-Hexed	WCTC61	\$30.00
STA Wide Diameter Temporary Cylinder for 6mm Implant	STTC6	\$16.50
TG Hex Abutment Temporary Cylinder Non-Hexed	TGATC	\$30.00
TG Hex Abutment Temporary Cylinder Hexed	TGANRTC	\$30.00
<b>Gold Cylinders</b>		
MicroMiniplant™ Conical Gold Cylinder Hexed	MCAG1	\$80.00
MicroMiniplant Conical Gold Cylinder Non-Hexed	MCAG2	\$75.00
STA® Gold Cylinder for 4.1mm/5mm Implant	STGC5	\$73.00
Conical Gold Cylinder Hexed for 4.1mm/5mm Implant	CNRG5	\$80.00
Conical Gold Cylinder Non-Hexed for 4.1mm/5mm Implant	CAGC5	\$64.00
Standard Abutment Gold Cylinder	SGC30	\$58.00
Standard Abutment Chamfered Gold Cylinder	CGC30	\$58.00
Conical Gold Cylinder Hexed for 6mm Implant	CNRG6	\$95.00
Conical Gold Cylinder Non-Hexed for 6mm Implant	CAGC6	\$85.00
STA Gold Cylinder for 6mm Wide Diameter Implant	STGC6	\$73.00
TG Hex Abutment Gold Cylinder Hexed	TGANRC	\$75.00
TG Hex Abutment Gold Cylinder Non-Hexed	TGAGC	\$75.00
TG Hex Abutment Milling Post - (For Cement Retained Restoration)	TGMP1	\$88.50
TG Hex Abutment Gold Cylinder - (For Bar Overdenture)	TGAGCB	\$75.00
<b>Castable Plastic Cylinders</b>		
Conical Castable Plastic Hexed Cylinder for 4.1mm/5mm Implant	CNRC5	\$31.00
Conical Castable Plastic Non-Hexed Cylinder for 4.1mm/5mm Implant	CACC5	\$26.00
Standard Abutment Castable Plastic Cylinder	SGC34	\$18.00
TG Hex Abutment Castable Plastic Hexed Cylinder	TGAPNR	\$20.00
TG Hex Abutment Castable Plastic Non-Hexed Cylinder	TGAPCC	\$20.00
TG Post Castable Cylinder (Single Unit)	TGPSUC	\$15.00
TG Post Castable Cylinder (Multi Unit)	TGPMUC	\$15.00
<b>Retaining Screws</b>		
Gold-Tite™ Hex Retaining Screw 2mm	GSH20	\$23.00
Gold-Tite Hex Retaining Screw 3mm	GSH30	\$23.00
Gold-Tite Hex Retaining Screw 7mm	GSH70	\$31.00
Hexed Gold-Tite UniScrew	UNIHG	\$48.00
Square Gold-Tite UniScrew	UNISG	\$48.00
Hexed Titanium UniScrew	UNIHT	\$38.00
<b>Polishing Protectors</b>		
MicroMiniplant™ Implant Polishing Protector	PPMM1	\$14.50
MicroMiniplant Conical Polishing Protector	PPMC1	\$14.50
Miniplant® Standard Implant Polishing Protector	PPIA3	\$14.50
STA® Polishing Protector	PPST5	\$13.50
Conical Polishing Protector	PPCA3	\$14.50

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## RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Polishing Protectors (Continued)</b>		
Standard Abutment Polishing Protector	PPSA3	\$14.50
Wide Diameter 5mm Implant Polishing Protector	WPP50	\$16.50
Wide Diameter 6mm Implant Polishing Protector	WPP60	\$16.50
Wide Diameter 6mm STA Polishing Protector	PPST6	\$13.50
Wide Diameter 6mm Conical Polishing Protector	WCPP6	\$14.50
<b>Waxing and Try-In Screws</b>		
Square Try-in Screw (5 Pack Only)	UNITS	\$50.00
MicroMiniplant™ Square Try-in Screw (5 Pack Only)	MUNITS	\$50.00
Abutment Waxing Screw/Guide Pin 10mm	WSK10	\$10.00
Abutment Waxing Screw/Guide Pin 15mm	WSK15	\$10.00
Implant Laboratory Screw	WSU30	\$12.50
<b>Mechanical Drivers</b>		
Restorative Instrumentation System	PSDK0	\$1,999.00
Contra-Angle Torque Driver Kit	CATD0	\$1,050.00
Contra-Angle Torque Driver Body	CATDB	\$317.00
Contra-Angle Torque Driver Handle	CATDH	\$22.00
Contra-Angle Torque Control 10Ncm	CATC1	\$166.50
Contra-Angle Torque Control 20Ncm	CATC2	\$166.50
Contra-Angle Torque Control 32Ncm	CATC3	\$166.50
Contra-Angle Direct Drive	CADD0	\$338.00
Direct Drive Handle Only	CADD1	\$81.00
Restorative Torque Indicator	RTI2035	\$250.00
Restorative Torque Indicator Kit	RTI2035K	\$385.00
Restorative Torque Indicator Tray	RTI2035TR	\$70.00
Abutment Driver Driver Tip 24mm	RASA3	\$40.50
Small Hex Driver Tip 24mm	RASH2N	\$40.50
Small Hex Driver Tip 30mm	RASH7N	\$40.50
Large Hex Driver Tip 24mm	RASH3N	\$40.50
Large Hex Driver Tip 30mm	RASH8N	\$40.50
Square Driver Tip 24mm	RASQ3N	\$40.50
Square Driver Tip 30mm	RASQ8N	\$40.50
O-Ring Driver Tip 24mm	RAOR1	\$40.50
Dal-Ro Driver Tip	RADR1	\$40.50
TG Post Driver Tip	TGPRA1	\$40.50
TG Hex Abutment Driver Tip	TGADR1	\$40.50
Gold Post™ Driver Tip	TGPDR1	\$40.50
Restorative System Delivery Tray	PSDT1	\$260.00
<b>Hand Drivers</b>		
Impression Coping Driver	ICD00	\$75.00
O-Ring Abutment Driver	PAD01	\$60.00
Dal-Ro Abutment Driver	PAD03	\$60.00
Posterior Abutment Driver 17mm	PAD00	\$105.00
Posterior Large Hex Driver 17mm	PHD02N	\$75.00

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# RESTORATIVE PRODUCTS BY DESCRIPTION

Catalog  
Number Price Each

## Hand Drivers (Continued)

Posterior Small Hex Driver 17mm	PHD00N	\$75.00
Posterior Square Driver 17mm	PSQD0N	\$75.00
Standard Abutment Driver 24mm	PAD24	\$105.00
Standard Large Hex Driver 24mm	PHD03N	\$75.00
Standard Small Hex Driver 24mm	PHD01N	\$75.00
Standard Square Driver 24mm	PSQD1N	\$75.00
TG Post Driver	TGPD00	\$60.00
TG Hex Abutment Driver	TGAD00	\$78.00
Gold Post™ Driver	TGPD1	\$60.00

## Laboratory Tools

MicroMiniplant™ Lab Abutment Holder 3.4mm (D)	LTAH5	\$40.00
Lab Abutment Holder for 4.1, 5.0 and 6.0mm (D) Platforms	LTAH7	\$40.00
Castable O-Ring System	OSOCA	\$38.00
Castable Dal-Ro System	DRCS1	\$38.00
Lapping Tool UCLA	LT150	\$26.00
Lapping Tool Standard Abutment	LT034	\$26.00
Lapping Tool UCLA Wide Diameter	WLT10	\$26.00
Reamer & Handle	RH600	\$31.00
Tube and Screw - 1.0mm diameter	TUS10	\$45.00
Tube and Screw - 1.2mm diameter	TUS12	\$45.00
Tube and Screw - 1.4mm diameter	TUS14	\$45.00

## Diagnostic Instrumentation

Fixing Pin - 1.0mm dia	FPN10	\$10.00
Fixing Pin - 1.2mm dia	FPN12	\$10.00
Fixing Pin - 1.4mm dia	FPN14	\$10.00
Prosthetic Angle Guide Kit	AG900	\$125.00
Tissue Measuring Post	TMP80	\$94.00
TG Post Try-In Kit	TGPTIK	\$115.00

## Specialty Components

Screw Removing Kit	SRT10	\$315.00
Screw Removal Tool - Tap	SRT01	\$72.00
Screw Removal Tool - 1.04mm Drill	SRT02	\$55.00
Screw Removal Tool - 1.18mm Drill	SRT03	\$55.00
Screw Removal Tool - Extracting Drill	SRT04	\$50.00
Screw Removal Tool - Guide Handle	SRT05	\$102.00
TG Post Universal Preparation Coping	TGPPC	\$10.00
Surgical Index Coping	IC100	\$70.00
Index Coping Drill Guide	IC106	\$20.00
Index Coping Drill	ID100	\$17.00
Tissue Punch for Miniplant/Standard Implants 4.1mm (D)	TP001	\$31.00
Tissue Punch for 5.0mm Implants	TP005	\$31.00
Tissue Punch for 6.0mm Implants	TP006	\$31.00

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## RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Educational Materials</b>		
Patient Education Video - NTSC	VIDPE01	\$2.50
Patient Education Video - PAL	VIDPE02	\$2.50
Patient Education Video - Spanish - PAL	VIDPE - S01	\$2.50
Patient Education Video - Spanish - NTSC	VIDPE - S02	\$2.50
Modified Osteotome Sinus Craft and Chin Harvest - PAL	VIDS7	\$30.00
Modified Osteotome Sinus Craft and Chin Harvest - NTSC	VIDS6	\$30.00
"Dental Implants: Are They for Me?"	BKM01	\$31.00
"Surgical and Prosthetic Approach to Osseointegration with the <i>3i</i> Implant System"	BKS03	\$108.00
"Implant Restorations: A Step-by-Step Guide for Dentists"	BKR05	\$139.00
"Implant Surgery & Prosthesis"	BKSP1	\$128.00
<b>3X Patient Demonstration Models</b>		
3X Model of 4.0mm UCLA Abutment and Screw	UCLAMOD4	\$20.00
3X Model of 5.0mm UCLA Abutment and Screw	UCLAMOD5	\$20.00
3X Model of Square Gold-Tite™ UniScrew	UNISGMOD	\$10.00
3X Model of 5.0mm GingiHue™ Post	WPPGMOD1	\$20.00
Square Driver for 3X Abutment Screw	MODWRENCH	\$10.00

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# Surgical Products

## **Products Listed By Code Number**



# SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
2100-0001	Biogran 750mg Glass Syringe 2-Pack	\$141.00
2100-0002	Biogran 750mg Glass Syringe 7-Pack	\$463.00
2100-0003	Biogran 500mg Mixing Cup 7-Pack	\$317.00
2100-0004	Biogran 750mg Mixing Cup 7-Pack	\$426.00
2100-0005	Biogran 1500mg Mixing Cup 7-Pack	\$572.00
ATC05	Autogenous Tissue Collector, 5-Pack	\$62.50
BIO2P	BioTack Two Pack	\$25.00
BIO3P	BioTack Three Pack	\$37.50
BIOAD	BioTack Angled Driver	\$151.00
BIOD1	BioTack Drill	\$54.00
BIOIS	BioTack™ Instrumentation System	\$723.00
BIOIT	BioTack Instrumentation Tray	\$286.00
BIOSD	BioTack Straight Driver	\$140.00
BP340	MicroMiniplant™ Bone Profiler - 3.4mm dia/4mm Flare	\$98.00
BP450	Miniplant/Standard Bone Profiler - 4.1mm dia/5mm Flare	\$98.00
BP460	Miniplant/Standard Bone Profiler - 4.1mm dia/6mm Flare	\$98.00
BP475	Miniplant/Standard Bone Profiler - 4.1mm dia/7.5mm Flare	\$98.00
BP550	Wide Diameter Bone Profiler 5mm dia/5mm Flare	\$98.00
BP560	Wide Diameter Bone Profiler 5mm dia/6mm Flare	\$98.00
BP575	Wide Diameter Bone Profiler 5mm dia/7.5mm Flare	\$98.00
BP660	Wide Diameter Bone Profiler 6mm dia/6mm Flare	\$98.00
BP675	Wide Diameter Bone Profiler 6mm dia/7.5mm Flare	\$98.00
BPAKT	Wide Diameter Bone Profiler Kit - 5.0/6.0mm Implants	\$425.00
BPAKTB	Organizer Box for Wide Diameter Bone Profiler Kit	\$41.00
BPKIT	Standard Diameter Bone Profiler Kit	\$260.00
BPKITB	Organizer Box for Standard Diameter Bone Profiler Kit	\$41.00
CD100	Countersink Drill for Miniplant®/Standard Diameter Threaded and Cylinder Implants	\$96.00
CD4500	Countersink Drill for 4/5mm Expanded Platform Osseotite® Implant	\$123.00
CD500	Pilot/Countersink Drill for Wide Diameter Threaded Implants - 5.0mm	\$123.00
CD5600	Countersink Drill for 5/6mm Expanded Platform Osseotite Implant	\$123.00
CD600	Pilot/Countersink Drill for Wide Diameter Threaded Implants - 6.0mm	\$123.00
CS275	Headless Cover Screw	\$38.00
CS375	Implant Cover Screw	\$50.00
CS500	Implant Cover Screw for 5.0mm Top	\$50.00
CS600	Implant Cover Screw for 6.0mm Top	\$50.00
CSI10	Miniplant/Standard Diameter Cover Screw Inserter	\$98.00
CSI50	Wide Diameter 5.0mm Cover Screw Inserter	\$98.00
CSI60	Wide Diameter 6.0mm Cover Screw Inserter	\$98.00
CW100	Open End Wrench	\$98.00
DC100	Countersink Drill	\$23.00
DC500	Pilot/Countersink Drill for Wide Diameter Threaded Implants - 5.0mm	\$24.00
DC600	Pilot/Countersink Drill for Wide Diameter Threaded Implants - 6.0mm	\$24.00
DDK210	3-Pack Single Patient Use Drill Kit for Implants - 10mm	\$28.00
DDK215	3-Pack Single Patient Use Drill Kit for Implants - 15mm	\$28.00
DDK220	3-Pack Single Patient Use Drill Kit for Implants - 20mm	\$28.00
	5-Pack Single Patient Use Drill Kit for Osseotite XP™ 3/4 and Miniplants -	
DDK2710	Twist Drill 2.75mm x 10mm	\$60.00

## SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
DDK2710	5-Pack Single Patient Use Drill Kit for Osseotite XP™ 3/4 and Miniplants - Twist Drill 2.75mm x 10mm	\$60.00
DDK2715	5-Pack Single Patient Use Drill Kit for Osseotite XP 3/4 and Miniplants - Twist Drill 2.75mm x 15mm	\$60.00
DDK2720	5-Pack Single Patient Use Drill Kit for Osseotite XP 3/4 and Miniplants - Twist Drill 2.75mm x 20mm	\$60.00
DDK310	5-Pack Single Patient Use Drill Kit for Miniplants and Standard Diameter Implants - Twist Drill 3.0mm x 10mm	\$60.00
DDK315	5-Pack Single Patient Use Drill Kit for Miniplants and Standard Diameter Implants - Twist Drill 3.0mm x 15mm	\$60.00
DDK320	5-Pack Single Patient Use Drill Kit for Miniplants and Standard Diameter Implants - 3.0mm x 20mm	\$60.00
DDK3210	5-Pack Single Patient Use Drill Kit for Standard Diameter Implants - Twist Drill Twist Drill 3.25mm x 10mm	\$60.00
DDK3215	5-Pack Single Patient Use Drill Kit for Standard Diameter Implants - Twist Drill 3.25mm x 15mm	\$60.00
DDK3220	5-Pack Single Patient Use Drill Kit for Standard Diameter Implants - Twist Drill 3.25mm x 20mm	\$60.00
DE016	Drill Extension	\$41.00
DI2310	Direction Indicator - 2.3mm x 10mm	\$18.00
DI2315	Direction Indicator - 2.3mm x 15mm	\$20.00
DKTG10	3-Pack Single Patient Use Drill Kit for TG Osseotite™ Implants - 10mm	\$28.00
DKTG15	3-Pack Single Patient Use Drill Kit for TG Osseotite Implants - 15mm	\$28.00
DP020	Implant Depth Probe	\$113.00
DP100	Pilot Drill	\$18.00
DPS100	Pilot Shaping Drill for TG Osseotite Implants	\$17.00
DR100	Round Drill	\$18.00
DS2310	Drill Stop - 2/3.25mm x 10mm	\$5.50
DS2315	Drill Stop - 2/3.25mm x 15mm	\$5.50
DS2320	Drill Stop - 2/3.25mm x 20mm	\$5.50
DS4513	Drill Stop - 4.25/5.25mm x 13mm	\$5.50
DS4518	Drill Stop - 4.25/5.25mm x 18mm	\$5.50
DS458	Drill Stop - 4.25/5.25mm x 8.5mm	\$5.50
DSB100	Drill Stop Block	\$44.00
DT210	Twist Drill - 2.3mm x 10mm, Single Patient Use	\$17.00
DT215	Twist Drill - 2.3mm x 15mm, Single Patient Use	\$17.00
DT220	Twist Drill - 2.3mm x 20mm, Single Patient Use	\$18.00
DT2710	Twist Drill - 2.75mm x 10mm, Single Patient Use	\$17.00
DT2715	Twist Drill - 2.75mm x 15mm, Single Patient Use	\$17.00
DT2720	Twist Drill - 2.75mm x 20mm, Single Patient Use	\$18.00
DT310	Twist Drill - 3.0mm x 10mm, Single Patient Use	\$17.00
DT3110	Twist Drill - 3.15mm x 10mm, Single Patient Use	\$17.00
DT3115	Twist Drill - 3.15mm x 15mm, Single Patient Use	\$17.00
DT3120	Twist Drill - 3.15mm x 20mm, Single Patient Use	\$18.00
DT315	Twist Drill - 3.0mm x 15mm, Single Patient Use	\$17.00
DT320	Twist Drill - 3.0mm x 20mm, Single Patient Use	\$18.00
DT3210	Twist Drill - 3.25mm x 10mm, Single Patient Use	\$17.00

## SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
DT3215	Twist Drill - 3.25mm x 15mm, Single Patient Use	\$17.00
DT3220	Twist Drill - 3.25mm x 20mm, Single Patient Use	\$18.00
DT4218	Twist Drill - 4.25mm x 18mm, Single Patient Use	\$18.00
DT423	Twist Drill - 4.25mm x 13mm, Single Patient Use	\$17.00
DT428	Twist Drill - 4.25mm x 8.5mm, Single Patient Use	\$17.00
DT5218	Twist Drill - 5.25mm x 18mm, Single Patient Use	\$18.00
DT523	Twist Drill - 5.25mm x 13mm, Single Patient Use	\$17.00
DT528	Twist Drill - 5.25mm x 8.5mm, Single Patient Use	\$17.00
DU300	Surgical Drilling Unit	\$5,849.00
IC015	Miniplant®, Standard, Wide Diameter Mount, 15mm	\$106.00
IC100	Surgical Index Coping Assembly	\$70.00
IC106	Index Coping Drill Guide	\$20.00
ICE310	Standard Diameter Implant - 3.75 x 10mm ICE® Super Self-Tapping	\$225.00
ICE311	Standard Diameter Implant - 3.75 x 11.5mm ICE Super Self-Tapping	\$225.00
ICE313	Standard Diameter Implant - 3.75 x 13mm ICE Super Self-Tapping	\$225.00
ICE315	Standard Diameter Implant - 3.75 x 15mm ICE Super Self-Tapping	\$225.00
ICE318	Standard Diameter Implant - 3.75 x 18mm ICE Super Self-Tapping	\$225.00
ICE320	Standard Diameter Implant - 3.75 x 20mm ICE Super Self-Tapping	\$225.00
ICE385	Standard Diameter Implant - 3.75 x 8.5mm ICE Super Self-Tapping	\$225.00
ICE410	Standard Diameter Implant - 4.0 x 10mm ICE Super Self-Tapping	\$225.00
ICE411	Standard Diameter Implant - 4.0 x 11.5mm ICE Super Self-Tapping	\$225.00
ICE413	Standard Diameter Implant - 4.0 x 13mm ICE Super Self-Tapping	\$225.00
ICE415	Standard Diameter Implant - 4.0 x 15mm ICE Super Self-Tapping	\$225.00
ICE418	Standard Diameter Implant - 4.0 x 18mm ICE Super Self-Tapping	\$225.00
ICE420	Standard Diameter Implant - 4.0 x 20mm ICE Super Self-Tapping	\$225.00
ICE485	Standard Diameter Implant - 4.0 x 8.5mm ICE Super Self-Tapping	\$225.00
ICE507	Wide Diameter Implant - 5.0 x 7mm ICE Super Self-Tapping	\$250.00
ICE510	Wide Diameter Implant - 5.0 x 10mm ICE Super Self-Tapping	\$250.00
ICE511	Wide Diameter Implant - 5.0 x 11.5mm ICE Super Self-Tapping	\$250.00
ICE513	Wide Diameter Implant - 5.0 x 13mm ICE Super Self-Tapping	\$250.00
ICE515	Wide Diameter Implant - 5.0 x 15mm ICE Super Self-Tapping	\$250.00
ICE518	Wide Diameter Implant - 5.0 x 18mm ICE Super Self-Tapping	\$250.00
ICE585	Wide Diameter Implant - 5.0 x 8.5mm ICE Super Self-Tapping	\$250.00
ICE607	Wide Diameter 6.0mm x 7mm ICE Super Self-Tapping	\$250.00
ICE610	Wide Diameter 6.0mm x 10mm ICE Super Self-Tapping	\$250.00
ICE611	Wide Diameter 6.0mm x 11.5mm ICE Super Self-Tapping	\$250.00
ICE613	Wide Diameter 6.0mm x 13mm ICE Super Self-Tapping	\$250.00
ICE615	Wide Diameter 6.0mm x 15mm ICE Super Self-Tapping	\$250.00
ICE618	Wide Diameter 6.0mm x 18mm ICE Super Self-Tapping	\$250.00
ICE685	Wide Diameter 6.0mm x 8.5mm ICE Super Self-Tapping	\$250.00
ID100	Index Coping Drill	\$17.00
IDG30	Cylinder Implant Depth Gauge - 3.3mm	\$40.00
IDG40	Cylinder Implant Depth Gauge - 4.0mm	\$51.00
IDG50	Cylinder Implant Depth Gauge - 5.0mm	\$51.00
IDG60	Cylinder Implant Depth Gauge - 6.0mm	\$51.00
ISI10	Implant Seating Instrument - Anterior	\$68.50

# SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
ISI15	Implant Seating Instrument - Posterior	\$68.50
ITD210	Tri-Spade Twist Drill - 2.3mm x 10mm (Internally Irrigated)	\$98.00
ITD215	Tri-Spade Twist Drill - 2.3mm x 15mm (Internally Irrigated)	\$98.00
ITD220	Tri-Spade Twist Drill - 2.3mm x 20mm (Internally Irrigated)	\$98.00
ITD2710	Tri-Spade Twist Drill - 2.75mm x 10mm (Internally Irrigated)	\$98.00
ITD2715	Tri-Spade Twist Drill - 2.75mm x 15mm (Internally Irrigated)	\$98.00
ITD2720	Tri-Spade Twist Drill - 2.75mm x 20mm (Internally Irrigated)	\$98.00
ITD310	Tri-Spade Twist Drill - 3.0mm x 10mm (Internally Irrigated)	\$98.00
ITD3110	Tri-Spade Twist Drill - 3.15mm x 10mm (Internally Irrigated)	\$98.00
ITD3115	Tri-Spade Twist Drill - 3.15mm x 15mm (Internally Irrigated)	\$98.00
ITD3120	Tri-Spade Twist Drill - 3.15mm x 20mm (Internally Irrigated)	\$98.00
ITD315	Tri-Spade Twist Drill - 3.0mm x 15mm (Internally Irrigated)	\$98.00
ITD320	Tri-Spade Twist Drill - 3.0mm x 20mm (Internally Irrigated)	\$98.00
ITD3210	Tri-Spade Twist Drill - 3.25mm x 10mm (Internally Irrigated)	\$98.00
ITD3215	Tri-Spade Twist Drill - 3.25mm x 15mm (Internally Irrigated)	\$98.00
ITD3220	Tri-Spade Twist Drill - 3.25mm x 20mm (Internally Irrigated)	\$98.00
ITD4218	Tri-Spade Twist Drill - 4.25mm x 18mm (Internally Irrigated)	\$98.00
ITD423	Tri-Spade Twist Drill - 4.25mm x 13mm (Internally Irrigated)	\$123.00
ITD428	Tri-Spade Twist Drill - 4.25mm x 8.5mm (Internally Irrigated)	\$123.00
ITD5218	Tri-Spade Twist Drill - 5.25mm x 18mm (Internally Irrigated)	\$123.00
ITD523	Tri-Spade Twist Drill - 5.25mm x 13mm (Internally Irrigated)	\$123.00
ITD528	Tri-Spade Twist Drill - 5.25mm x 8.5mm (Internally Irrigated)	\$123.00
MALL1	Mallet	\$51.00
MDR10	Hand-Piece Connector	\$106.00
MDR10H	TG Ratchet Adapter	\$106.00
ME100	Single End Membrane Elevator	\$51.00
ME200	Double End Membrane Elevator - Medium	\$69.00
ME300	Double End Membrane Elevator - Large	\$69.00
MH310	Miniplant - 3.25 x 10mm ICE Super Self-Tapping	\$225.00
MH311	Miniplant - 3.25 x 11.5mm ICE Super Self-Tapping	\$225.00
MH313	Miniplant - 3.25 x 13mm ICE Super Self-Tapping	\$225.00
MH315	Miniplant - 3.25 x 15mm ICE Super Self-Tapping	\$225.00
MH385	Miniplant - 3.25 x 8.5mm ICE Super Self-Tapping	\$225.00
MHA32	MicroMiniplant™ 3.8 x 2mm EP® One-Piece Healing Abutment	\$38.00
MHA34	MicroMiniplant 3.8 x 4mm EP One-Piece Healing Abutment	\$38.00
MHA36	MicroMiniplant 3.8 x 6mm EP One-Piece Healing Abutment	\$38.00
MM310	MicroMiniplant - 3.25 x 10mm ICE Super Self-Tapping	\$225.00
MM311	MicroMiniplant - 3.25 x 11.5mm ICE Super Self-Tapping	\$225.00
MM313	MicroMiniplant - 3.25 x 13mm ICE Super Self-Tapping	\$225.00
MM315	MicroMiniplant - 3.25 x 15mm ICE Super Self-Tapping	\$225.00
MM318	MicroMiniplant - 3.25 x 18mm ICE Super Self-Tapping	\$225.00
MM385	MicroMiniplant - 3.25 x 8.5mm ICE Super Self-Tapping	\$225.00
MMC03	MicroMiniplant Mount - 3mm	\$106.00
MMC15	MicroMiniplant Mount - 15mm	\$106.00
MMCS1	MicroMiniplant Cover Screw	\$34.00
MMKIT	MicroMiniplant Mount Kit	\$338.00
MODELBASE	Implant Model Base - For One Implant	\$0.00
MT234	MicroMiniplant® 3.8 x 4mm EP Two-Piece Healing Abutment	\$42.00

## SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
MT236	MicroMiniplant 3.8 x 6mm EP Two-Piece Healing Abutment	\$42.00
MT254	MicroMiniplant 5.0 x 4mm EP Two-Piece Healing Abutment	\$42.00
MT256	MicroMiniplant 5.0 x 6mm EP Two-Piece Healing Abutment	\$42.00
MTAP1	MicroMiniplant/Miniplant Bone Tap - 18mm	\$98.00
MTAP2	MicroMiniplant/Miniplant Bone Tap (27mm L) - 18mm	\$98.00
OFDR3	OsseoFix Drill 3mm	\$55.00
OFDR4	OsseoFix Drill 4mm	\$55.00
OFDR8	OsseoFix Drill 8mm	\$55.00
OFKAC	OsseoFix Select Autoclave Case	\$164.00
OFKBC1	OsseoFix Microplate Bender/Cutter	\$137.00
OFKIT2	OsseoFix Guided Bone Regeneration System	\$2,631.00
OFKT1	OsseoFix System Organizer Tray	\$308.00
OFKT2	OsseoFix Select System Tray	\$210.00
OFLD9	OsseoFix Drill - Lag 9mm	\$56.00
OFLDQ1	OsseoFix Squaredrive Long Screwdriver	\$164.00
OFMS0	Membrane Stabilizer/Punch Single Point	\$45.00
OFMS1	Membrane Stabilizer Double Point	\$141.00
OFP01	OsseoFix Microplate - Single Row	\$50.00
OFP03	OsseoFix Microplate - Three Row	\$94.00
OFPDQ1	OsseoFix Squaredrive Posterior Screwdriver	\$104.00
OFRAQ1	OsseoFix Squaredrive Right Angle	\$82.00
OFRD1	OsseoFix 1mm Round Drill	\$25.00
OFSKT	OsseoFix Select Membrane Stabilizing System	\$864.00
OFSQ110	OsseoFix Square Drive Screw 5pk 1mm x 10mmL	\$112.00
OFSQ112	OsseoFix Square Drive Screw 5pk 1mm x 12mmL	\$112.00
OFSQ13	OsseoFix Square Drive Screw 5pk 1mm x 3mmL	\$112.00
OFSQ14	OsseoFix Square Drive Screw 5pk 1mm x 4mmL	\$112.00
OFSQ16	OsseoFix Square Drive Screw 5pk 1mm x 6mmL	\$112.00
OFSQ18	OsseoFix Square Drive Screw 5pk 1mm x 8mmL	\$112.00
OFSQW10	OsseoFix Square Drive Screw 5pk 1.2mm x 10mmL	\$112.00
OFSQW12	OsseoFix Square Drive Screw 5pk 1.2mm x 12mmL	\$112.00
OFSQW3	OsseoFix Square Drive Screw 5pk 1.2mm x 3mmL	\$112.00
OFSQW4	OsseoFix Square Drive Screw 5pk 1.2mm x 4mmL	\$112.00
OFSQW6	OsseoFix Square Drive Screw 5pk 1.2mm x 6mmL	\$112.00
OFSQW8	OsseoFix Square Drive Screw 5pk 1.2mm x 8mmL	\$112.00
OS3210	3/4 Osseotite XP™ Miniplant® - 3.25mm Body / 4.1mm Top x 8.5mm Body	\$250.00
OS3211	3/4 Osseotite XP Miniplant - 3.25mm Body / 4.1mm Top x 10mm Body	\$250.00
OS3213	3/4 Osseotite XP Miniplant - 3.25mm Body / 4.1mm Top x 11.5mm Body	\$250.00
OS3215	3/4 Osseotite XP Miniplant - 3.25mm Body / 4.1mm Top x 13mm Body	\$250.00
OS3218	3/4 Osseotite XP Miniplant - 3.25mm Body / 4.1mm Top x 15mm Body	\$250.00
OS3285	3/4 Osseotite XP Miniplant - 3.25mm Body / 4.1mm Top x 18mm Body	\$250.00
OS4510	4/5 Osseotite XP Implant - 4mm Body/5mm Top x 10mm Long	\$265.00
OS4511	4/5 Osseotite XP Implant - 4mm Body/5mm Top x 11.5mm Long	\$265.00
OS4513	4/5 Osseotite XP Implant - 4mm Body/5mm Top x 13mm Long	\$265.00
OS4515	4/5 Osseotite XP Implant - 4mm Body/5mm Top x 15mm Long	\$265.00
OS4585	4/5 Osseotite XP Implant - 4mm Body/5mm Top x 8.5mm Long	\$265.00
OS5610	5/6 Osseotite XP Implant - 5mm Body/6mm Top x 10mm Long	\$265.00

## SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
OS5611	5/6 Osseotite XP Implant - 5mm Body/6mm Top x 11.5mm Long	\$265.00
OS5613	5/6 Osseotite XP Implant - 5mm Body/6mm Top x 13mm Long	\$265.00
OS5615	5/6 Osseotite XP Implant - 5mm Body/6mm Top x 15mm Long	\$265.00
OS5685	5/6 Osseotite XP Implant - 5mm Body/6mm Top x 8.5mm Long	\$265.00
OSM310	Microminiplant - 3.25 x 10mm OSSEOTITE®	\$250.00
OSM311	Microminiplant - 3.25 x 11.5mm OSSEOTITE	\$250.00
OSM313	Microminiplant - 3.25 x 13mm OSSEOTITE	\$250.00
OSM315	Microminiplant - 3.25 x 15mm OSSEOTITE	\$250.00
OSM318	Microminiplant - 3.25 x 18mm OSSEOTITE	\$250.00
OSM385	Microminiplant™ - 3.25 x 8.5mm OSSEOTITE	\$250.00
OSS310	Standard Diameter Implant - 3.75 x 10mm OSSEOTITE	\$250.00
OSS311	Standard Diameter Implant - 3.75 x 11.5mm OSSEOTITE	\$250.00
OSS313	Standard Diameter Implant - 3.75 x 13mm OSSEOTITE	\$250.00
OSS315	Standard Diameter Implant - 3.75 x 15mm OSSEOTITE	\$250.00
OSS318	Standard Diameter Implant - 3.75 x 18mm OSSEOTITE	\$250.00
OSS320	Standard Diameter Implant - 3.75 x 20mm OSSEOTITE	\$250.00
OSS385	Standard Diameter Implant - 3.75 x 8.5mm OSSEOTITE	\$250.00
OSS410	Standard Diameter Implant - 4.0 x 10mm OSSEOTITE	\$250.00
OSS411	Standard Diameter Implant - 4.0 x 11.5mm OSSEOTITE	\$250.00
OSS413	Standard Diameter Implant - 4.0 x 13mm OSSEOTITE	\$250.00
OSS415	Standard Diameter Implant - 4.0 x 15mm OSSEOTITE	\$250.00
OSS418	Standard Diameter Implant - 4.0 x 18mm OSSEOTITE	\$250.00
OSS420	Standard Diameter Implant - 4.0 x 20mm OSSEOTITE	\$250.00
OSS485	Standard Diameter Implant - 4.0 x 8.5mm OSSEOTITE	\$250.00
OSS507	Wide Diameter Implant - 5.0 x 7mm OSSEOTITE	\$265.00
OSS510	Wide Diameter Implant - 5.0 x 10mm OSSEOTITE	\$265.00
OSS511	Wide Diameter Implant - 5.0 x 11.5mm OSSEOTITE	\$265.00
OSS513	Wide Diameter Implant - 5.0 x 13mm OSSEOTITE	\$265.00
OSS515	Wide Diameter Implant - 5.0 x 15mm OSSEOTITE	\$265.00
OSS518	Wide Diameter Implant - 5.0 x 18mm OSSEOTITE	\$265.00
OSS585	Wide Diameter Implant - 5.0 x 8.5mm OSSEOTITE	\$265.00
OSS607	Wide Diameter 6.0mm x 7mm OSSEOTITE	\$265.00
OSS610	Wide Diameter 6.0mm x 10mm OSSEOTITE	\$265.00
OSS611	Wide Diameter 6.0mm x 11.5mm OSSEOTITE	\$265.00
OSS613	Wide Diameter 6.0mm x 13mm OSSEOTITE	\$265.00
OSS615	Wide Diameter 6.0mm x 15mm OSSEOTITE	\$265.00
OSS618	Wide Diameter 6.0mm x 18mm OSSEOTITE	\$265.00
OSS685	Wide Diameter 6.0mm x 8.5mm OSSEOTITE	\$265.00
OSSMOD1	Osseotite Implant 4.0mm x 13.0mm, 3X Model	\$40.00
OST00	Summers Osteotome Kit, 1-4	\$444.00
OST01	Summers Osteotome - #1	\$100.00
OST02	Summers Osteotome - #2	\$100.00
OST03	Summers Osteotome - #3	\$100.00
OST04	Summers Osteotome - #4	\$100.00
OST05	Osteotome for 5mm Wide Implants	\$100.00
OST10	Summers Osteotome Kit, 1-5	\$498.00
OST20	Summers Osteotome Kit, 1-FS	\$551.00

## SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
OSTFS	Osteotome for Future Site	\$100.00
OSTTR	Osteotome Kit Tray Only	\$105.00
PD100	Pilot Drill 2mm - 3mm	\$96.00
PD500	Pilot Drill for Wide Diameter Cylinder Implants - 5.0mm	\$123.00
PD600	Pilot Drill for Wide Diameter Cylinder Implants - 6.0mm	\$123.00
PMKIT	Pre-Angled Surgical Guide Kit	\$320.00
PSD100	Pilot Shaping Drill 2/3mm for TG Osseotite Implants	\$98.00
PSKT10	Basic Plastic Surgical Kit for Threaded Implants	\$1,495.00
PSKT20	Standard Plastic Surgical Kit for Threaded Implants	\$3,395.00
PSKT30	Premium Plastic Surgical Kit for Threaded Implants	\$4,895.00
PTT100	Plastic Organizer Tray	\$225.00
PTT300	Plastic Surgical Tray	\$570.00
QBM001	Quetin Bone-Mill, Stainless Steel	\$2,340.00
RD100	Round Drill	\$35.00
RE100	Ratchet Extension - 6mm	\$77.00
RE200	Ratchet Extension - 15mm	\$88.00
RMB30	Radiographic Marking Balls - 30 Pack	\$19.00
SEKT1	Sinus Elevation Kit	\$503.00
SEKTR	Sinus Elevation Kit Tray Only	\$155.00
SGT25	Stent Guide Tubes - 25 Pack	\$29.00
SKT20	Standard Surgical Kit for Threaded Implants	\$2,850.00
SKT22	Surgical Kit for 5.0/6.0mm Wide Diameter Threaded Implants	\$1,660.00
SKT23	Surgical Kit for 3.3/4.0/4.25mm Cylinder Implants	\$595.00
SKT24	Surgical Kit for 5.0/6.0mm Wide Diameter Cylinder Implants	\$825.00
SKT25	Standard Surgical Kit for Cylinder Implants	\$2,839.00
SKT25A	Standard Surgical Kit for Cylinder Implants without Drills	\$1,660.00
ST310	Standard Diameter Implant - 3.75 x 10mm ST Self-Tapping Threaded	\$195.00
ST311	Standard Diameter Implant - 3.75 x 11.5mm ST Self-Tapping Threaded	\$195.00
ST313	Standard Diameter Implant - 3.75 x 13mm ST Self-Tapping Threaded	\$195.00
ST315	Standard Diameter Implant - 3.75 x 15mm ST Self-Tapping Threaded	\$195.00
ST318	Standard Diameter Implant - 3.75 x 18mm ST Self-Tapping Threaded	\$195.00
ST320	Standard Diameter Implant - 3.75 x 20mm ST Self-Tapping Threaded	\$195.00
ST385	Standard Diameter Implant - 3.75 x 8.5mm ST Self-Tapping Threaded	\$195.00
ST410	Standard Diameter Implant - 4.0 x 10mm ST Self-Tapping Threaded	\$195.00
ST411	Standard Diameter Implant - 4.0 x 11.5mm ST Self-Tapping Threaded	\$195.00
ST413	Standard Diameter Implant - 4.0 x 13mm ST Self-Tapping Threaded	\$195.00
ST415	Standard Diameter Implant - 4.0 x 15mm ST Self-Tapping Threaded	\$195.00
ST418	Standard Diameter Implant - 4.0 x 18mm ST Self-Tapping Threaded	\$195.00
ST420	Standard Diameter Implant - 4.0 x 20mm ST Self-Tapping Threaded	\$195.00
ST485	Standard Diameter Implant - 4.0 x 8.5mm ST Self-Tapping Threaded	\$195.00
TAP10	Standard Diameter Bone Tap - 10mm	\$98.00
TAP13	Standard Diameter Bone Tap - 13mm	\$98.00
TAP20	Standard Diameter Bone Tap - 20mm	\$98.00
TAP410	Bone Tap - 4.0mm Diameter x 10mm	\$98.00
TAP413	Bone Tap - 4.0mm Diameter x 13mm	\$98.00



## SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
TAP420	Bone Tap - 4.0mm Diameter x 20mm	\$98.00
TAP518S	Wide Diameter Bone Tap - 5.0mm x 18mm	\$123.00
TAP53S	Wide Diameter Bone Tap - 5.0mm x 13mm	\$123.00
TAP58S	Wide Diameter Bone Tap - 5.0mm x 8.5mm	\$123.00
TAP618S	Wide Diameter Bone Tap - 6.0mm x 18mm	\$123.00
TAP63S	Wide Diameter Bone Tap - 6.0mm x 13mm	\$123.00
TAP68S	Wide Diameter Bone Tap - 6.0mm x 8.5mm	\$123.00
TC012	Titanium Curette 11/12 Gracey Configuration	\$42.50
TC034	Titanium Curette 13/14 Gracey Configuration	\$42.50
TC078	Titanium Curette 7/8 Gracey Configuration	\$42.50
TCB33	Tri-Flute Cylinder Bur - 3.3mm x 13mm	\$96.00
TCB38	Tri-Flute Cylinder Bur - 3.3mm x 18mm	\$96.00
TCB43	Tri-Flute Cylinder Bur - 4.0mm x 13mm	\$96.00
TCB48	Tri-Flute Cylinder Bur - 4.0mm x 18mm	\$96.00
TCB53	Tri-Flute Cylinder Bur - 5.0mm x 13mm	\$123.00
TCB58	Tri-Flute Cylinder Bur - 5.0mm x 8.5mm	\$123.00
TCB63	Tri-Flute Cylinder Bur - 6.0mm x 13mm	\$123.00
TCB68	Tri-Flute Cylinder Bur - 6.0mm x 8.5mm	\$123.00
TCKIT	Titanium Curette Kit	\$86.00
TD210	Twist Drill - 2.3mm x 10mm	\$96.00
TD215	Twist Drill - 2.3mm x 15mm	\$96.00
TD220	Twist Drill - 2.3mm x 20mm	\$96.00
TD310	Twist Drill - 3.0mm x 10mm	\$96.00
TD3110	Twist Drill - 3.15mm x 10mm	\$96.00
TD3115	Twist Drill - 3.15mm x 15mm	\$96.00
TD3120	Twist Drill - 3.15mm x 20mm	\$96.00
TD315	Twist Drill - 3.0mm x 15mm	\$96.00
TD320	Twist Drill - 3.0mm x 20mm	\$96.00
TD3210	Twist Drill - 3.25mm x 10mm	\$96.00
TD3215	Twist Drill - 3.25mm x 15mm	\$96.00
TD3220	Twist Drill - 3.25mm x 20mm	\$96.00
TE003	Titanium Elevator	\$143.00
TF002	Titanium Forceps	\$135.00
TG2310	TG Osseotite® 3.25mm x 10mm - 1.8 collar height	\$245.00
TG2311	TG Osseotite 3.25mm x 11.5mm - 1.8 collar height	\$245.00
TG2313	TG Osseotite 3.25mm x 13mm - 1.8 collar height	\$245.00
TG2315	TG Osseotite 3.25mm x 15mm - 1.8 collar height	\$245.00
TG2385	TG Osseotite 3.25mm x 8.5mm - 1.8 collar height	\$245.00
TG2410	TG Osseotite 4mm x 10mm - 1.8 collar height	\$245.00
TG2411	TG Osseotite 4mm x 11.5mm - 1.8 collar height	\$245.00
TG2413	TG Osseotite 4mm x 13mm - 1.8 collar height	\$245.00
TG2415	TG Osseotite 4mm x 15mm - 1.8 collar height	\$245.00
TG2485	TG Osseotite 4mm x 8.5mm - 1.8 collar height	\$245.00
TG2510	TG Osseotite 5mm x 10mm - 1.8 collar height	\$260.00
TG2511	TG Osseotite 5mm x 11.5mm - 1.8 collar height	\$260.00
TG2513	TG Osseotite 5mm x 13mm - 1.8 collar height	\$260.00
TG2515	TG Osseotite® 5mm x 15mm - 1.8 collar height	\$260.00

## SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
TG2585	TG Osseotite 5mm x 8.5mm - 1.8 collar height	\$260.00
TG3310	TG Osseotite 3.25mm x 10mm - 2.8 collar height	\$245.00
TG3311	TG Osseotite 3.25mm x 11.5mm - 2.8 collar height	\$245.00
TG3313	TG Osseotite 3.25mm x 13mm - 2.8 collar height	\$245.00
TG3315	TG Osseotite 3.25mm x 15mm - 2.8 collar height	\$245.00
TG3385	TG Osseotite 3.25mm x 8.5mm - 2.8 collar height	\$245.00
TG3410	TG Osseotite 4mm x 10mm - 2.8 collar height	\$245.00
TG3411	TG Osseotite 4mm x 11.5mm - 2.8 collar height	\$245.00
TG3413	TG Osseotite 4mm x 13mm - 2.8 collar height	\$245.00
TG3415	TG Osseotite 4mm x 15mm - 2.8 collar height	\$245.00
TG3485	TG Osseotite 4mm x 8.5mm - 2.8 collar height	\$245.00
TG3510	TG Osseotite 5mm x 10mm - 2.8 collar height	\$260.00
TG3511	TG Osseotite 5mm x 11.5mm - 2.8 collar height	\$260.00
TG3513	TG Osseotite 5mm x 13mm - 2.8 collar height	\$260.00
TG3515	TG Osseotite 5mm x 15mm - 2.8 collar height	\$260.00
TG3585	TG Osseotite 5mm x 8.5mm - 2.8 collar height	\$260.00
TGCS05	TG Cover Screw - 0.5mm	\$25.00
TGCS10	TG Cover Screw - 1mm	\$30.00
TGCS20	TG Cover Screw - 2mm	\$42.00
TGCS30	TG Cover Screw - 3mm	\$42.00
TGCS40	TG Cover Screw - 4mm	\$42.00
TGCS50	TG Cover Screw - 5mm	\$42.00
TGKIT	TG Osseotite Placement Kit	\$1,500.00
TGKITC	TG Osseotite Conversion Kit	\$325.00
TGPRM	TG Osseotite Positive Reversal Mount	\$52.00
TGMOD1	TG Osseotite Implant 2.8mm Collar, 4.0mm x 13.0mm with post, 3X Model	\$40.00
TH253	Miniplant/Standard Diameter 5.0 x 3mm EP Two-Piece Healing Abutment	\$38.00
TH254	Miniplant/Standard Diameter 5.0 x 4mm EP Two-Piece Healing Abutment	\$38.00
TH256	Miniplant/Standard Diameter 5.0 x 6mm EP Two-Piece Healing Abutment	\$38.00
TH258	Miniplant/Standard Diameter 5.0 x 8mm EP Two-Piece Healing Abutment	\$38.00
TH263	Miniplant/Standard Diameter 6.0 x 3mm EP Two-Piece Healing Abutment	\$46.00
TH264	Miniplant/Standard Diameter 6.0 x 4mm EP Two-Piece Healing Abutment	\$46.00
TH266	Miniplant/Standard Diameter 6.0 x 6mm EP Two-Piece Healing Abutment	\$46.00
TH268	Miniplant/Standard Diameter 6.0 x 8mm EP Two-Piece Healing Abutment	\$46.00
TH273	Miniplant/Standard Diameter 7.5 x 3mm EP Two-Piece Healing Abutment	\$46.00
TH274	Miniplant/Standard Diameter 7.5 x 4mm EP Two-Piece Healing Abutment	\$46.00
TH276	Miniplant/Standard Diameter 7.5 x 6mm EP Two-Piece Healing Abutment	\$46.00
TH278	Miniplant/Standard Diameter 7.5 x 8mm EP Two-Piece Healing Abutment	\$46.00
TH310	Miniplant - 3.3 x 10mm Cylinder	\$225.00
TH313	Miniplant - 3.3 x 13mm Cylinder	\$225.00
TH315	Miniplant - 3.3 x 15mm Cylinder	\$225.00
TH385	Miniplant - 3.3 x 8.5mm Cylinder	\$225.00
THA52	Miniplant/Standard Diameter 5.0 x 2mm EP One-Piece Healing Abutment	\$32.00
THA54	Miniplant/Standard Diameter 5.0 x 4mm EP One-Piece Healing Abutment	\$32.00
THA56	Miniplant/Standard Diameter 5.0 x 6mm EP One-Piece Healing Abutment	\$32.00
THA58	Miniplant/Standard Diameter 5.0 x 8mm EP One-Piece Healing Abutment	\$32.00
THA64	Miniplant/Standard Diameter 6.0 x 4mm EP One-Piece Healing Abutment	\$39.50

## SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
THA66	Miniplant/Standard Diameter 6.0 x 6mm EP One-Piece Healing Abutment	\$39.50
THA68	Miniplant/Standard Diameter 6.0 x 8mm EP One-Piece Healing Abutment	\$39.50
THA74	Miniplant/Standard Diameter 7.5 x 4mm EP One-Piece Healing Abutment	\$39.50
THA76	Miniplant/Standard Diameter 7.5 x 6mm EP One-Piece Healing Abutment	\$39.50
THA78	Miniplant/Standard Diameter 7.5 x 8mm EP One-Piece Healing Abutment	\$39.50
TIBC1	Titanium Coated Bone Carrier	\$153.00
TIPL1	Titanium Plugger - Large	\$51.00
TIPS1	Titanium Plugger - Small	\$51.00
TM310	Microminiplant - 3.3 x 10mm Cylinder	\$225.00
TM313	Microminiplant - 3.3 x 13mm Cylinder	\$225.00
TM315	Microminiplant - 3.3 x 15mm Cylinder	\$225.00
TM385	Microminiplant - 3.3 x 8.5mm Cylinder	\$225.00
TMP80	Tissue Measuring Post	\$94.00
TP001	Tissue Punch Standard	\$31.00
TP005	Tissue Punch 5.0mm	\$31.00
TP006	Tissue Punch 6.0mm	\$31.00
TP407	Standard Diameter Implant - 4.0 x 7mm Cylinder	\$225.00
TP410	Standard Diameter Implant - 4.0 x 10mm Cylinder	\$225.00
TP413	Standard Diameter Implant - 4.0 x 13mm Cylinder	\$225.00
TP415	Standard Diameter Implant - 4.0 x 15mm Cylinder	\$225.00
TP418	Standard Diameter Implant - 4.0 x 18mm Cylinder	\$225.00
TP485	Standard Diameter Implant - 4.0 x 8.5mm Cylinder	\$225.00
TP507	Wide Diameter Implant - 5.0 x 7mm Cylinder	\$260.00
TP510	Wide Diameter Implant - 5.0 x 10mm Cylinder	\$260.00
TP513	Wide Diameter Implant - 5.0 x 13mm Cylinder	\$260.00
TP585	Wide Diameter Implant - 5.0 x 8.5mm Cylinder	\$260.00
TP607	Wide Diameter 6.0mm x 7mm Cylinder	\$260.00
TP610	Wide Diameter 6.0mm x 10mm Cylinder	\$260.00
TP613	Wide Diameter 6.0mm x 13mm Cylinder	\$260.00
TP685	Wide Diameter 6.0mm x 8.5mm Cylinder	\$260.00
TRE02	Trephine Bur 2mm dia	\$109.00
TRE04	Trephine Bur 4mm dia	\$109.00
TRE05	Trephine Bur 5mm dia	\$109.00
TRE06	Trephine Bur 6mm dia	\$109.00
TRE08	Trephine Bur 8mm dia	\$109.00
TST01	Titanium Suction Tip	\$142.00
TT150	No-Touch Mini Surgical Block	\$70.00
TT250	Aluminum Surgical Tray	\$375.00
TT300	Surgical Tray and Blue Drill Organizing Block	\$884.00
WDP02	Wide Implant Depth Probe	\$135.00
WR150	Ratchet Wrench	\$188.00
WT2553	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 5.0 x 3mm	\$51.00
WT2554	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 5.0 x 4mm	\$51.00
WT2556	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 5.0 x 6mm	\$51.00
WT2558	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 5.0 x 8mm	\$51.00
WT2563	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 6.0 x 3mm	\$51.00
WT2564	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 6.0 x 4mm	\$51.00

## SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
WT2566	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 6.0 x 6mm	\$51.00
WT2568	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 6.0 x 8mm	\$51.00
WT2573	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 7.5 x 3mm	\$51.00
WT2574	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 7.5 x 4mm	\$51.00
WT2576	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 7.5 x 6mm	\$51.00
WT2578	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 7.5 x 8mm	\$51.00
WT2663	Wide Diameter 6.0mm EP Two-Piece Healing Abutment 6.0 x 3mm	\$51.00
WT2664	Wide Diameter 6.0mm EP Two-Piece Healing Abutment 6.0 x 4mm	\$51.00
WT2666	Wide Diameter 6.0mm EP Two-Piece Healing Abutment 6.0 x 6mm	\$51.00
WT2668	Wide Diameter 6.0mm EP Two-Piece Healing Abutment 6.0 x 8mm	\$51.00
WT2673	Wide Diameter 6.0mm EP Two-Piece Healing Abutment 7.5 x 3mm	\$51.00
WT2674	Wide Diameter 6.0mm EP Two-Piece Healing Abutment 7.5 x 4mm	\$51.00
WT2676	Wide Diameter 6.0mm EP Two-Piece Healing Abutment 7.5 x 6mm	\$51.00
WT2678	Wide Diameter 6.0mm EP Two-Piece Healing Abutment 7.5 x 8mm	\$51.00
WTH52	Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 2mm	\$45.00
WTH54	Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 4mm	\$45.00
WTH56	Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 6mm	\$45.00
WTH562	Wide Diameter 5.0mm EP One-Piece Healing Abutment 6.0 x 2mm	\$45.00
WTH564	Wide Diameter 5.0mm EP One-Piece Healing Abutment 6.0 x 4mm	\$45.00
WTH566	Wide Diameter 5.0mm EP One-Piece Healing Abutment 6.0 x 6mm	\$45.00
WTH568	Wide Diameter 5.0mm EP One-Piece Healing Abutment 6.0 x 8mm	\$45.00
WTH572	Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 2mm	\$45.00
WTH574	Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 4mm	\$45.00
WTH576	Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 6mm	\$45.00
WTH578	Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 8mm	\$45.00
WTH58	Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 8mm	\$45.00
WTH62	Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 2mm	\$45.00
WTH64	Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 4mm	\$45.00
WTH66	Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 6mm	\$45.00
WTH672	Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 2mm	\$45.00
WTH674	Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 4mm	\$45.00
WTH676	Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 6mm	\$45.00
WTH678	Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 8mm	\$45.00
WTH68	Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 8mm	\$45.00
XDG01	Gelb Radiographic Depth Gauge Kit, 2.3mm Diameter	\$99.00
XDG2313	Gelb Radiographic Depth Gauge, 2.3mm x 13mm	\$23.00
XDG2320	Gelb Radiographic Depth Gauge, 2.3mm x 20mm	\$23.00
XPMOD1	Osseotite XP Implant 4/5mm x 13.0mm, 3X Model	\$40.00

# Restorative Products

## **Products Listed By Code Number**



# RESTORATIVE PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
AB200	Standard Abutment 2mm	\$120.00
AB300	Standard Abutment 3mm	\$120.00
AB400	Standard Abutment 4mm	\$120.00
AB550	Standard Abutment 5.5mm	\$120.00
AB700	Standard Abutment 7mm	\$120.00
AG900	Prosthetic Angle Guide Kit	\$125.00
APP452G	*GingiHue™ Post 4.1mm x 5mm x 2mm	\$78.00
APP454G	*GingiHue Post 4.1mm x 5mm x 4mm	\$78.00
APP462G	*GingiHue Post 4.1mm x 6mm x 2mm	\$78.00
APP464G	*GingiHue Post 4.1mm x 6mm x 4mm	\$78.00
APP472G	*GingiHue Post 4.1mm x 7.5mm x 2mm	\$78.00
APP474G	*GingiHue Post 4.1mm x 7.5mm x 4mm	\$78.00
BKM01	"Dental Implants: Are They for Me?"	\$31.00
BKR05	"Implant Restorations: A Step-by-Step Guide for Dentists"	\$139.00
BKS03	"Surgical and Prosthetic Approach to Osseointegration with the <i>3i</i> Implant System"	\$108.00
BKSP1	"Implant Surgery & Prosthesis"	\$128.00
CA001	Conical Abutment 1mm	\$125.00
CA002	Conical Abutment 2mm	\$125.00
CA003	Conical Abutment 3mm	\$125.00
CA004	Conical Abutment 4mm	\$125.00
CA055	Conical Abutment 5.5mm	\$125.00
CACC5	Conical Castable Plastic Cylinder Non-Hexed for 4.1mm/5.0mm Implant	\$26.00
CADD0	Contra-Angle Direct Drive	\$338.00
CADD1	Direct Drive Handle Only	\$81.00
CAGC5	Conical Gold Cylinder Non-Hexed for 4.1mm/5mm Implant	\$64.00
CAGC6	Conical Gold Cylinder Non-Hexed for 6mm Implant	\$85.00
CAP454	ZiReal™ Post 4.1mm x 5mm x 4mm	\$159.00
CAP464	ZiReal™ Post 4.1mm x 6mm x 4mm	\$159.00
CATC1	Contra-Angle Torque Control 10Ncm	\$166.50
CATC2	Contra-Angle Torque Control 20Ncm	\$166.50
CATC3	Contra-Angle Torque Control 32Ncm	\$166.50
CATD0	Contra-Angle Torque Driver Kit	\$1,050.00
CATDB	Contra-Angle Torque Driver Body	\$317.00
CATDH	Contra-Angle Torque Driver Handle	\$22.00
CC300	Conical Temporary Cylinder for 4.1mm/5mm Implant Non-Hexed	\$26.00
CGC30	Standard Abutment Chamfered Gold Cylinder	\$58.00
CIC55	Conical Twist Lock™ Coping 5mm Emergence Profile Non-Hexed	\$19.00
CIC56	Conical Twist Lock Coping 6mm Emergence Profile Non-Hexed	\$19.00
CIC57	Conical Twist Lock Coping 7.5mm Emergence Profile Non-Hexed	\$19.00
CLA20	Conical Lab Analog	\$12.00
CNC30	Conical Temporary Cylinder for 4.1mm/5mm Implant Hexed	\$26.00
CNRC5	Conical Castable Plastic Cylinder Hexed for 4.1mm/5.0mm Implant	\$31.00
CNRG5	Conical Gold Cylinder Hexed for 4.1mm/5mm Implant	\$80.00
CNRG6	Conical Gold Cylinder Hexed for 6mm Implant	\$95.00
CNRIC	Conical Pick-up Coping 5mm Emergence Profile Hexed	\$31.00
CS250	Conical Healing Cap 5mm for 4.1mm and 5mm (D) Platforms	\$18.00
CS260	Conical Healing Cap 6mm	\$18.00
CS270	Conical Healing Cap 7.5mm	\$18.00
CSQ06	Conical Pick-up Coping 6mm Emergence Profile Non-Hexed	\$22.00
CSQ07	Conical Pick-up Coping 7.5mm Emergence Profile Non-Hexed	\$22.00
CSQI7	Conical Pick-up Coping 5mm Emergence Profile Non-Hexed	\$22.00
CSQN6	Conical Pick-up Coping 6mm Emergence Profile Hexed	\$32.00
CSQN7	Conical Pick-up Coping 7.5mm Emergence Profile Hexed	\$32.00

# RESTORATIVE PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
DRA20	Dal-Ro Abutment 2mm	\$122.00
DRA40	Dal-Ro Abutment 4mm	\$122.00
DRA60	Dal-Ro Abutment 6mm	\$122.00
DRCS1	Castable Dal-Ro System	\$38.00
FPN10	Fixing Pin - 1.0mm dia	\$10.00
FPN12	Fixing Pin - 1.2mm dia	\$10.00
FPN14	Fixing Pin - 1.4mm dia	\$10.00
GPA01	Gold Post™ Abutment 1mm	\$130.00
GPA02	Gold Post Abutment 2mm	\$130.00
GPA03	Gold Post Abutment 3mm	\$130.00
GPA04	Gold Post Abutment 4mm	\$130.00
GSH20	Gold-Tite™ Hex Retaining Screw 2mm	\$23.00
GSH30	Gold-Tite Hex Retaining Screw 3mm	\$23.00
GSH70	Gold-Tite Hex Retaining Screw 7mm	\$31.00
GUCA1C	*UCLA Gold Hexed Abutment Cylinder	\$92.00
GUCA2C	*UCLA Gold Non-Hexed Abutment Cylinder	\$92.00
IC100	Surgical Index Coping	\$70.00
IC106	Index Coping Drill Guide	\$20.00
ICD00	Impression Coping Driver	\$75.00
IIC12	Implant Pick-up Coping 5mm	\$39.00
IIC45	Implant Twist Lock™ Coping 5mm	\$39.00
IIC46	Implant Twist Lock Coping 6mm	\$39.00
IIC47	Implant Twist Lock Coping 7.5mm	\$39.00
IIC60	Implant Pick-up Coping 6mm	\$39.00
IIC75	Implant Pick-up Coping 7.5mm	\$39.00
ILA20	Implant Lab Analog	\$17.00
ILAW5	Wide Diameter 5mm Implant Lab Analog	\$24.00
ILAW6	Wide Diameter 6mm Implant Lab Analog	\$24.00
ITCH0	Miniplant®/Standard Diameter Implant Temporary Cylinder Hexed	\$48.00
ITCH1	Miniplant/Standard Diameter Implant Temporary Cylinder Non-Hexed	\$48.00
ID100	Index Coping Drill	\$17.00
LT034	Lapping Tool Standard Abutment	\$26.00
LT150	Lapping Tool UCLA	\$26.00
LTAH5	MicroMiniplant™ Lab Abutment Holder 3.4mm (D)	\$40.00
LTAH7	Lab Abutment Holder for 4.1, 5.0 and 6.0mm (D) Platforms	\$40.00
MAP32G	*MicroMiniplant GingiHue™ Post 3.4mm x 3.8mm x 2mm	\$78.00
MAP34G	*MicroMiniplant™ GingiHue™ Post 3.4mm x 3.8mm x 4mm	\$78.00
MCA31	MicroMiniplant Conical Abutment 1mm	\$125.00
MCA32	MicroMiniplant Conical Abutment 2mm	\$125.00
MCA33	MicroMiniplant Conical Abutment 3mm	\$125.00
MCA34	MicroMiniplant Conical Abutment 4mm	\$125.00
MCAG1	MicroMiniplant™ Conical Gold Cylinder Hexed	\$80.00
MCAG2	MicroMiniplant Conical Gold Cylinder Non-Hexed	\$75.00
MCTC1	MicroMiniplant Conical Temporary Cylinder Hexed	\$26.00
MCTC2	MicroMiniplant Conical Temporary Cylinder Non-Hexed	\$26.00
MEC33	MicroMiniplant Conical Coping	\$36.50
MHC33	MicroMiniplant Conical Healing Cap	\$19.00
MIC33	MicroMiniplant Pick-up Coping	\$38.00
MMCLA	MicroMiniplant Conical Lab Analog	\$16.00
MMILA	MicroMiniplant Implant Lab Analog	\$18.00
MMTC1	MicroMiniplant Implant Temporary Cylinder Hexed Only	\$48.00
MODWRENCH	Square Driver for 3X UniScrew	\$10.00
MPAP32G	*MicroMiniplant 15° Pre-Angled GingiHue™ Post 3.4mm x 3.8mm x 2mm	\$98.00

# RESTORATIVE PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
PTC465	Prep-Tite Cap 5mm(H) Fits: APP462G, APP464G, WPP562G, WPP564G	\$12.50
PTC467	Prep-Tite Cap 7mm(H) Fits: APP462G, APP464G, WPP562G, WPP564G	\$12.50
PTC475	Prep-Tite Cap 5mm(H) Fits: APP472G, APP474G, WPP572G, WPP574G, WPP672G, WPP674G	\$12.50
PTC477	Prep-Tite Cap 7mm(H) Fits: APP472G, APP474G, WPP572G, WPP574G, WPP672G, WPP674G	\$12.50
PTC555	Prep-Tite Cap 5mm(H) Fits: WPP552G, WPP554G	\$12.50
PTC557	Prep-Tite Cap 7mm(H) Fits: WPP552G, WPP554G	\$12.50
PTC665	Prep-Tite Cap 5mm(H) Fits: WPP662G, WPP664G	\$12.50
PTC667	Prep-Tite Cap 7mm(H) Fits: WPP662G, WPP664G	\$12.50
RADR1	Dal-Ro Driver Tip 24mm	\$12.50
RAOR1	O-Ring Driver Tip 24mm	\$40.50
RASA3	Abutment Driver Tip 24mm	\$40.50
RASH2N	Small Hex Driver Tip 24mm	\$40.50
RASH3N	Large Hex Driver Tip 24mm	\$40.50
RASH7N	Small Hex Driver Tip 30mm	\$40.50
RASH8N	Large Hex Driver Tip 30mm	\$40.50
RASQ3N	Square Driver Tip 24mm	\$40.50
RASQ8N	Square Driver Tip 30mm	\$40.50
RH600	Reamer & Handle	\$40.50
RTI2035	Restorative Torque Indicator	\$31.00
RTI2035K	Restorative Torque Indicator Kit	\$250.00
RTI2035TR	Restorative Torque Indicator Tray	\$385.00
SCA001	Conical Gold Standard ZR™ Abutment 1mm	\$70.00
SCA002	Conical Gold Standard ZR Abutment 2mm	\$125.00
SCA003	Conical Gold Standard ZR Abutment 3mm	\$125.00
SCA004	Conical Gold Standard ZR Abutment 4mm	\$125.00
SCA055	Conical Gold Standard ZR Abutment 5mm	\$125.00
SGC30	Standard Abutment Gold Cylinder	\$125.00
SGC34	Standard Abutment Plastic Castable Gold Cylinder	\$58.00
SGUCA1C	*UCLA Gold Standard ZR™ Hexed Abutment Cylinder	\$18.00
SIC70	Standard Abutment Transfer Coping	\$92.00
SLA20	Standard Abutment Lab Analog	\$18.00
SPIC5	STA® Pick-up Coping w/5mm Emergence Profile	\$12.00
SPIC56	STA Pick-up Coping w/6mm Emergence Profile	\$26.00
SPIC57	STA Pick-up Coping w/7.5mm Emergence Profile	\$26.00
SPIC6	Wide Diameter 6mm STA Pick-up Coping 6mm	\$26.00
SPIC67	Wide Diameter 6mm STA Pick-up Coping 7.5mm	\$26.00
SQIC7	Standard Abutment Pick-up Coping	\$26.00
SRT01	Screw Removal Tool - Tap	\$20.00
SRT02	Screw Removal Tool - 1.04mm Drill	\$72.00
SRT03	Screw Removal Tool - 1.18mm Drill	\$55.00
SRT04	Screw Removal Tool - Extracting Drill	\$55.00
SRT05	Screw Removal Tool - Guide Handle	\$50.00
SRT10	Screw Removing Kit	\$102.00
STA451	STA - Single Tooth Abutment 1mm	\$315.00
STA452	STA - Single Tooth Abutment 2mm	\$185.00
STA453	STA - Single Tooth Abutment 3mm	\$185.00
STA454	STA - Single Tooth Abutment 4mm	\$185.00
STA455	STA - Single Tooth Abutment 5mm	\$185.00
STA551	STA - Single Tooth Abutment 1mm	\$185.00
STA552	STA - Single Tooth Abutment 2mm	\$195.00



## RESTORATIVE PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
STA553	STA - Single Tooth Abutment 3mm	\$195.00
STA661	STA -Single Tooth Abutment 1mm	\$195.00
STA662	STA - Single Tooth Abutment 2mm	\$195.00
STA663	STA - Single Tooth Abutment 3mm	\$195.00
STGC5	STA - Gold Cylinder for 4.1mm/5mm Implant	\$73.00
STGC6	STA - Gold Cylinder for 6mm Wide Diameter Implant	\$73.00
STIC5	STA Twist Lock™ Coping w/5mm Emergence Profile	\$26.00
STIC56	STA Twist Lock Coping w/6mm Emergence Profile	\$26.00
STIC57	STA Twist Lock Coping w/7.5mm Emergence Profile	\$26.00
STIC6	Wide Diameter 6mm STA Twist Lock Coping 6mm	\$26.00
STIC67	Wide Diameter 6mm STA Twist Lock Coping 7.5mm	\$26.00
STLA5	STA Lab Analog	\$18.00
STLA6	Wide Diameter 6mm STA Lab Analog	\$19.00
STTC5	STA Temporary Cylinder for 4.1mm/5mm Implant	\$16.50
STTC6	STA Wide Diameter Temporary Cylinder for 6mm Implant	\$16.50
STTH5	STA Healing Cap 5mm	\$20.00
STTH56	STA Healing Cap 6mm	\$20.00
STTH57	STA Healing Cap 7.5mm	\$20.00
STTH6	Wide Diameter 6mm STA Healing Cap 6mm	\$20.00
STTH67	Wide Diameter 6mm STA Healing Cap 7.5mm	\$20.00
SWCA51	Conical Gold Standard ZR Abutment 1mm	\$135.00
SWCA52	Conical Gold Standard ZR Abutment 2mm	\$135.00
SWCA53	Conical Gold Standard ZR™ Abutment 3mm	\$135.00
SWCA54	Conical Gold Standard ZR Abutment 4mm	\$135.00
SWCA55	Conical Gold Standard ZR Abutment 5mm	\$135.00
SWCA61	Conical Abutment ZR Abutment 1mm	\$135.00
SWCA62	Conical Abutment ZR Abutment 2mm	\$135.00
SWCA63	Conical Abutment ZR Abutment 3mm	\$135.00
SWCA64	Conical Abutment ZR Abutment 4mm	\$135.00
SWCA65	Conical Abutment ZR Abutment 5mm	\$135.00
SWGA51C	*UCLA Gold Standard ZR Hexed Abutment Cylinder	\$100.00
SWGA61C	*UCLA Gold Standard ZR Hexed Abutment Cylinder	\$100.00
TC300	Standard Abutment Temporary Cylinder for Miniplant/Standard Diameter Implant	\$25.00
TGA01	TG Hex Abutment	\$99.00
TGAD00	TG Hex Abutment Driver	\$78.00
TGADR1	TG Hex Abutment Driver Tip	\$40.50
TGAGC	TG Hex Abutment Gold Cylinder Non-Hexed	\$75.00
TGAGCB	TG Hex Abutment Gold Cylinder - (for Bar Overdenture)	\$75.00
TGAHC	TG Hex Abutment Healing Cap	\$15.00
TGALA	TG Hex Abutment Lab Analog	\$20.00
TGANRC	TG Hex Abutment Gold Cylinder Hexed	\$75.00
TGANRTC	TG Hex Abutment Temporary Cylinder Hexed	\$30.00
TGAPCC	TG Hex Abutment Plastic Castable Cylinder Non-Hexed	\$20.00
TGAPIC	TG Hex Abutment Pick-up Coping	\$28.00
TGAPNR	TG Hex Abutment Plastic Castable Cylinder Hexed	\$20.00
TGATC	TG Hex Abutment Temporary Cylinder Non-Hexed	\$30.00
TGATIC	TG Hex Abutment Twist Lock™ Coping	\$28.00
TGDRA0	TG Dal-Ro Abutment 0mm	\$60.00
TGDRA2	TG Dal-Ro Abutment 2mm	\$60.00
TGLC04	TG Post Lok-Cap™ 4mm	\$12.00
TGLC55	TG Post Lok-Cap™ 5.5mm	\$12.00
TGLC07	TG Post Lok-Cap™ 7mm	\$12.00
TGMP1	TG Hex Abutment Milling Post for Cement Retained Restoration	\$88.50

# RESTORATIVE PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
TGORA0	TG O-Ring Lab Analog 0mm	\$22.00
TGORA2	TG O-Ring Lab Analog 2mm/4mm	\$22.00
TGOS00	TG O-Ring Abutment 0mm	\$60.00
TGOS02	TG O-Ring Abutment 2mm	\$60.00
TGOS04	TG O-Ring Abutment 4mm	\$60.00
TGPA15	TG Pre-Angled Post 15° (Hexed retaining screw included)	\$125.00
TGPA25	TG Pre-Angled Post 25° (Hexed retaining screw included)	\$125.00
TGPD00	TG Post Driver	\$60.00
TGPD1	Gold Post™ Driver	\$60.00
TGPDR1	Gold Post Driver Tip	\$40.50
TGPF04	TG Post 4mm	\$85.00
TGPF55	TG Post 5.5mm	\$85.00
TGPF07	TG Post 7mm	\$85.00
TGPIC4	TG Post Impression Coping 4mm	\$8.00
TGPIC5	TG Post Impression Coping 5.5mm	\$8.00
TGPIC7	TG Post Impression Coping 7mm	\$8.00
TGPLA4	TG Post Lab Analog 4mm	\$20.00
TGPLA5	TG Post Lab Analog 5.5mm	\$20.00
TGPLA7	TG Post Lab Analog 7mm	\$20.00
TGPMUC	TG Post Castable Cylinder (Multi-Unit)	\$15.00
TGPPC	TG Post Universal Preparation Coping	\$10.00
TGPRA1	TG Post Driver Tip	\$40.50
TGPSUC	TG Post Castable Cylinder (Single-Unit)	\$15.00
TGPTIK	TG Post Try In Kit	\$115.00
THRC4	Miniplant®/Standard Diameter Implant Retention Cylinder - 2mm	\$40.00
THRC6	Miniplant/Standard Diameter Implant Retention Cylinder - 4mm	\$40.00
TMP80	Tissue Measuring Post	\$94.00
TP001	Tissue Punch for Miniplant®/Standard Implants 4.1mm	\$31.00
TP005	Tissue Punch for 5.0mm Implants	\$31.00
TP006	Tissue Punch for 6.0mm Implants	\$31.00
TS250	Standard Abutment Healing Cap	\$18.00
TUS10	Tube and Screw - 1.0mm diameter	\$45.00
TUS12	Tube and Screw - 1.2mm diameter	\$45.00
TUS14	Tube and Screw - 1.4mm diameter	\$45.00
UCLAMOD4	3X Model of 4.0mm UCLA Abutment and UniScrew	\$20.00
UCLAMOD5	3X Model of 5.0mm UCLA Abutment and UniScrew	\$20.00
UNA125	*UCLA Castable Plastic Hexed 25-Pack Cylinders	\$865.00
UNA225	*UCLA Castable Plastic Non-Hexed 25-Pack Cylinders	\$865.00
UNAB1C	*UCLA Castable Plastic Hexed Abutment Cylinder	\$42.00
UNAB2C	*UCLA Castable Plastic Non-Hexed Abutment Cylinder	\$42.00
UNIHG	Hexed Gold-Tite™ UniScrew	\$48.00
UNIHT	Hexed Titanium UniScrew	\$38.00
UNISG	Square Gold-Tite UniScrew	\$48.00
UNISGMOD	3X Model of Square Gold-Tite UniScrew	\$20.00
UNITS	Square Try-in Screw (5 Pack Only)	\$50.00
VIDPE01	Patient Education Video - NTSC	\$2.50
VIDPE02	Patient Education Video - PAL	\$2.50
VIDPE-S01	Patient Education Video - Spanish - PAL	\$2.50
VIDPE-S02	Patient Education Video - Spanish - NTSC	\$2.50
VIDS6	Modified Osteotome Sinus Craft and Chin Harvest - NTSC	\$30.00
VIDS7	Modified Osteotome Sinus Craft and Chin Harvest - PAL	\$30.00
WAB200	Wide Diameter 5.0 Standard Abutment 2mm	\$122.00
WAB300	Wide Diameter 5.0 Standard Abutment 3mm	\$122.00

## RESTORATIVE PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
WAB400	Wide Diameter 5.0 Standard Abutment 4mm	\$122.00
WAB550	Wide Diameter 5.0 Standard Abutment 5.5mm	\$122.00
WCA51	Conical Abutment 1mm	\$135.00
WCA52	Conical Abutment 2mm	\$135.00
WCA53	Conical Abutment 3mm	\$135.00
WCA54	Conical Abutment 4mm	\$135.00
WCA55	Conical Abutment 5.5mm	\$135.00
WCA61	Conical Abutment 1mm	\$135.00
WCA62	Conical Abutment 2mm	\$135.00
WCA63	Conical Abutment 3mm	\$135.00
WCA64	Conical Abutment 4mm	\$135.00
WCA65	Conical Abutment 5.5mm	\$135.00
WCAP564	ZiReal™ Post 5mm x 6mm x 4mm	\$159.00
WCAP574	ZiReal Post 5mm x 7.5mm x 4mm	\$159.00
WCLA6	Wide Diameter 6mm Conical Lab Analog	\$18.00
WCP661	Conical Pick-up Coping for 6mm Implant w/6mm Emergence Profile Hexed	\$36.50
WCP662	Conical Pick-up Coping for 6mm Implant w/6mm Emergence Profile Non-Hexed	\$36.50
WCP671	Conical Pick-up Coping for 6mm Implant w/7.5mm Emergence Profile Hexed	\$36.50
WCP672	Conical Pick-up Coping for 6mm Implant w/7.5mm Emergence Profile Non-Hexed	\$36.50
WCPP6	Wide Diameter 6mm Conical Polishing Protector	\$14.50
WCS66	Wide Diameter 6mm Conical Healing Cap 6mm	\$20.00
WCS67	Wide Diameter 6mm Conical Healing Cap 7.5mm	\$20.00
WCT661	Conical Twist Lock™ Coping for 6mm Implant w/6mm Emergence Profile Hexed	\$36.50
WCT662	Conical Twist Lock Coping for 6mm Implant w/6mm Emergence Profile Non-Hexed	\$36.50
WCT671	Conical Twist Lock Coping for 6mm Implant w/7.5mm Emergence Profile Hexed	\$36.50
WCT672	Conical Twist Lock Coping for 6mm Implant w/7.5mm Emergence Profile Non-Hexed	\$36.50
WCTC60	Conical - Wide Diameter 6mm Temporary Cylinder Hexed	\$30.00
WCTC61	Conical - Wide Diameter 6mm Temporary Cylinder Non-Hexed	\$30.00
WGA51C	*UCLA Gold Hexed Abutment Cylinder	\$100.00
WGA52C	*UCLA Gold Non-Hexed Abutment Cylinder	\$100.00
WGA61C	*UCLA Gold Hexed Abutment Cylinder	\$100.00
WGA62C	*UCLA Gold Non-Hexed Abutment Cylinder	\$100.00
WIP55	5mm Implant Pick-up Coping 5mm	\$43.50
WIP56	5mm Implant Pick-up Coping 6mm	\$43.50
WIP57	5mm Implant Pick-up Coping 7.5mm	\$43.50
WIP66	6mm Implant Pick-up Coping 6mm	\$43.50
WIP67	6mm Implant Pick-up Coping 7.5mm	\$43.50
WIT55	5mm Implant Twist Lock Coping 5mm	\$43.50
WIT56	5mm Implant Twist Lock Coping 6mm	\$43.50
WIT57	5mm Implant Twist Lock Coping 7.5mm	\$43.50
WIT66	6mm Implant Twist Lock Coping 6mm	\$43.50
WIT67	6mm Implant Twist Lock Coping 7.5mm	\$43.50
WLT10	Lapping Tool UCLA Wide Diameter	\$26.00
WOSO20	O-Ring Abutment 2mm	\$132.00
WOSO40	O-Ring Abutment 4mm	\$132.00
WOSO60	O-Ring Abutment 6mm	\$132.00
WPC51C	*UCLA Castable Plastic Hexed Abutment Cylinder	\$50.00
WPC52C	*UCLA Castable Plastic Non-Hexed Abutment Cylinder	\$50.00
WPC61C	*UCLA Castable Plastic Hexed Abutment Cylinder	\$50.00
WPC62C	*UCLA Castable Plastic Non-Hexed Abutment Cylinder	\$50.00
WPP50	Wide Diameter 5mm Implant Polishing Protector	\$16.50

# RESTORATIVE PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
WPP552G	*GingiHue™ Post 5mm x 5mm x 2mm	\$81.00
WPP554G	*GingiHue Post 5mm x 5mm x 4mm	\$81.00
WPP562G	*GingiHue Post 5mm x 6mm x 2mm	\$81.00
WPP564G	*GingiHue Post 5mm x 6mm x 4mm	\$81.00
WPP572G	*GingiHue Post 5mm x 7.5mm x 2mm	\$81.00
WPP574G	*GingiHue Post 5mm x 7.5mm x 4mm	\$81.00
WPP60	Wide Diameter 6mm Implant Polishing Protector	\$16.50
WPP662G	*GingiHue Post 6mm x 6mm x 2mm	\$81.00
WPP664G	*GingiHue Post 6mm x 6mm x 4mm	\$81.00
WPP672G	*GingiHue Post 6mm x 7.5mm x 2mm	\$81.00
WPP674G	*GingiHue Post 6mm x 7.5mm x 4mm	\$81.00
WPPGMOD1	3X Model of 5.0mm GingiHue Post	\$20.00
WSK10	Abutment Waxing Screw/Guide Pin 10mm	\$10.00
WSK15	Abutment Waxing Screw/Guide Pin 15mm	\$10.00
WSU30	Implant Laboratory Screw	\$12.50
WTC51	Implant - Wide Diameter 5mm Temporary Cylinder Hexed	\$55.00
WTC52	Implant - Wide Diameter 5mm Temporary Cylinder Non-Hexed	\$55.00
WTC61	Implant - Wide Diameter 6mm Temporary Cylinder Hexed	\$55.00
WTC62	Implant - Wide Diameter 6mm Temporary Cylinder Non-Hexed	\$55.00

*For additional information or to place an order,  
contact your local 3i representative or call:*

**3i Customer Service**

**Monday-Thursday 8am - 4pm (EST)**

**Friday 8am-6:30pm (EST)**

**1.800.342.5454**

**Outside U.S.: 561.776.6700**

**Fax: 561.776.1272**

**Website: [www.3i-online.com](http://www.3i-online.com)**



ART720

Rev 2/01

# ***Price List***



***Effective January 2002  
Product Listing***

# Ordering Information

## To Place an Order:

Contact your local *Ji* representative or call:

*Ji* Customer Service

Monday-Thursday 8am - 8pm (EST)

Friday 8am - 6:30pm (EST)

800-342-5454 Fax 561-776-1272

In Canada: 800-363-1980 Outside US: 561-776-6700

**TERMS AND CONDITIONS OF SALE.** The following are the terms and conditions by which Implant Innovations, Inc. ("*Ji*") sells its products in the United States of America.

**GOVERNING TERMS.** Any shipment of products shall be deemed to be on the terms and conditions stated herein. Any and all terms and conditions submitted by Purchaser are hereby rejected.

**TAXES.** The prices set forth herein do not include any sales, use, excise, ad valorem, property or other taxes applicable to the sale, use or delivery of the products, all of which shall be paid by Purchaser separately or added to the contract price and paid by Purchaser to *Ji*.

**PRICES.** The prices set forth for the products are in United States Dollars.

**DELIVERY.** Products sold hereunder shall be delivered F.O.B. manufacturer's plant or distributor's plant, as applicable. Purchaser shall assume responsibility for all subsequent delivery or shipping charges.

**PAYMENT.** Payment terms shall be as set forth under the "Terms" section on front of invoice.

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# Surgical Products

## **Products Listed By Description**

# SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>MicroMiniplants &amp; Cover Screws</b>		
MicroMiniplant™ - 3.25 x 10mm OSSEOTITE®	OSM310	\$260.00
MicroMiniplant - 3.25 x 11.5mm OSSEOTITE	OSM311	\$260.00
MicroMiniplant - 3.25 x 13mm OSSEOTITE	OSM313	\$260.00
MicroMiniplant - 3.25 x 15mm OSSEOTITE	OSM315	\$260.00
MicroMiniplant - 3.25 x 18mm OSSEOTITE	OSM318	\$260.00
MicroMiniplant - 3.25 x 8.5mm OSSEOTITE	OSM385	\$260.00
MicroMiniplant - 3.25 x 10mm ICE® Super Self-Tapping	MM310	\$232.00
MicroMiniplant - 3.25 x 11.5mm ICE Super Self-Tapping	MM311	\$232.00
MicroMiniplant - 3.25 x 13mm ICE Super Self-Tapping	MM313	\$232.00
MicroMiniplant - 3.25 x 15mm ICE Super Self-Tapping	MM315	\$232.00
MicroMiniplant - 3.25 x 18mm ICE Super Self-Tapping	MM318	\$232.00
MicroMiniplant - 3.25 x 8.5mm ICE Super Self-Tapping	MM385	\$232.00
MicroMiniplant - 3.3 x 10mm Cylinder	TM310	\$237.00
MicroMiniplant - 3.3 x 13mm Cylinder	TM313	\$237.00
MicroMiniplant - 3.3 x 15mm Cylinder	TM315	\$237.00
MicroMiniplant - 3.3 x 8.5mm Cylinder	TM385	\$237.00
MicroMiniplant Mount - 3mm	MMC03	\$109.00
MicroMiniplant Mount - 15mm	MMC15	\$109.00
MicroMiniplant Cover Screw	MMCS1	\$35.00
MicroMiniplant Mount Kit	MMKIT	\$348.00
Headless Cover Screw	CS275	\$39.00

<b>Miniplants &amp; Cover Screws</b>		
3/4 OSSEOTITE XP™ Miniplant® - 3.25mm Body/4.1mm Top x 10mm	OS3210	\$260.00
3/4 OSSEOTITE XP Miniplant - 3.25mm Body/4.1mm Top x 11.5mm	OS3211	\$260.00
3/4 OSSEOTITE XP Miniplant - 3.25mm Body/4.1mm Top x 13mm	OS3213	\$260.00
3/4 OSSEOTITE XP Miniplant - 3.25mm Body/4.1mm Top x 15mm	OS3215	\$260.00
3/4 OSSEOTITE XP Miniplant - 3.25mm Body/4.1mm Top x 18mm	OS3218	\$260.00
3/4 OSSEOTITE XP Miniplant - 3.25mm Body/4.1mm Top x 8.5mm	OS3285	\$260.00
Miniplant® - 3.25 x 10mm ICE Super Self-Tapping	MH310	\$232.00
Miniplant - 3.25 x 11.5mm ICE Super Self-Tapping	MH311	\$232.00
Miniplant - 3.25 x 13mm ICE Super Self-Tapping	MH313	\$232.00
Miniplant - 3.25 x 15mm ICE Super Self-Tapping	MH315	\$232.00
Miniplant - 3.25 x 8.5mm ICE Super Self-Tapping	MH385	\$232.00
Miniplant - 3.3 x 10mm Cylinder	TH310	\$237.00
Miniplant - 3.3 x 13mm Cylinder	TH313	\$237.00
Miniplant - 3.3 x 15mm Cylinder	TH315	\$237.00
Miniplant - 3.3 x 8.5mm Cylinder	TH385	\$237.00
Headless Cover Screw	CS275	\$39.00
Implant Cover Screw	CS375	\$51.50

<b>Standard Diameter 3.75/4.0mm Implants &amp; Cover Screws</b>		
Standard Diameter Implant - 3.75 x 10mm OSSEOTITE	OSS310	\$260.00
Standard Diameter Implant - 3.75 x 11.5mm OSSEOTITE	OSS311	\$260.00
Standard Diameter Implant - 3.75 x 13mm OSSEOTITE	OSS313	\$260.00
Standard Diameter Implant - 3.75 x 15mm OSSEOTITE	OSS315	\$260.00
Standard Diameter Implant - 3.75 x 18mm OSSEOTITE	OSS318	\$260.00

# SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Standard Diameter 3.75/4.0mm Implants &amp; Cover Screws (Continued)</b>		
Standard Diameter Implant - 3.75 x 20mm OSSEOTITE®	OSS320	\$260.00
Standard Diameter Implant - 3.75 x 8.5mm OSSEOTITE	OSS385	\$260.00
Standard Diameter Implant - 4.0 x 10mm OSSEOTITE	OSS410	\$260.00
Standard Diameter Implant - 4.0 x 11.5mm OSSEOTITE	OSS411	\$260.00
Standard Diameter Implant - 4.0 x 13mm OSSEOTITE	OSS413	\$260.00
Standard Diameter Implant - 4.0 x 15mm OSSEOTITE	OSS415	\$260.00
Standard Diameter Implant - 4.0 x 18mm OSSEOTITE	OSS418	\$260.00
Standard Diameter Implant - 4.0 x 20mm OSSEOTITE	OSS420	\$260.00
Standard Diameter Implant - 4.0 x 8.5mm OSSEOTITE	OSS485	\$260.00
Standard Diameter Implant - 3.75 x 10mm ICE® Super Self-Tapping	ICE310	\$232.00
Standard Diameter Implant - 3.75 x 11.5mm ICE Super Self-Tapping	ICE311	\$232.00
Standard Diameter Implant - 3.75 x 13mm ICE Super Self-Tapping	ICE313	\$232.00
Standard Diameter Implant - 3.75 x 15mm ICE Super Self-Tapping	ICE315	\$232.00
Standard Diameter Implant - 3.75 x 18mm ICE Super Self-Tapping	ICE318	\$232.00
Standard Diameter Implant - 3.75 x 20mm ICE Super Self-Tapping	ICE320	\$232.00
Standard Diameter Implant - 3.75 x 8.5mm ICE Super Self-Tapping	ICE385	\$232.00
Standard Diameter Implant - 4.0 x 10mm ICE Super Self-Tapping	ICE410	\$232.00
Standard Diameter Implant - 4.0 x 11.5mm ICE Super Self-Tapping	ICE411	\$232.00
Standard Diameter Implant - 4.0 x 13mm ICE Super Self-Tapping	ICE413	\$232.00
Standard Diameter Implant - 4.0 x 15mm ICE Super Self-Tapping	ICE415	\$232.00
Standard Diameter Implant - 4.0 x 18mm ICE Super Self-Tapping	ICE418	\$232.00
Standard Diameter Implant - 4.0 x 20mm ICE Super Self-Tapping	ICE420	\$232.00
Standard Diameter Implant - 4.0 x 8.5mm ICE Super Self-Tapping	ICE485	\$232.00
Standard Diameter Implant - 3.75 x 10mm ST Self-Tapping Threaded	ST310	\$201.00
Standard Diameter Implant - 3.75 x 11.5mm ST Self-Tapping Threaded	ST311	\$201.00
Standard Diameter Implant - 3.75 x 13mm ST Self-Tapping Threaded	ST313	\$201.00
Standard Diameter Implant - 3.75 x 15mm ST Self-Tapping Threaded	ST315	\$201.00
Standard Diameter Implant - 3.75 x 18mm ST Self-Tapping Threaded	ST318	\$201.00
Standard Diameter Implant - 3.75 x 20mm ST Self-Tapping Threaded	ST320	\$201.00
Standard Diameter Implant - 3.75 x 8.5mm ST Self-Tapping Threaded	ST385	\$201.00
Standard Diameter Implant - 4.0 x 10mm ST Self-Tapping Threaded	ST410	\$201.00
Standard Diameter Implant - 4.0 x 11.5mm ST Self-Tapping Threaded	ST411	\$201.00
Standard Diameter Implant - 4.0 x 13mm ST Self-Tapping Threaded	ST413	\$201.00
Standard Diameter Implant - 4.0 x 15mm ST Self-Tapping Threaded	ST415	\$201.00
Standard Diameter Implant - 4.0 x 18mm ST Self-Tapping Threaded	ST418	\$201.00
Standard Diameter Implant - 4.0 x 20mm ST Self-Tapping Threaded	ST420	\$201.00
Standard Diameter Implant - 4.0 x 8.5mm ST Self-Tapping Threaded	ST485	\$201.00
Standard Diameter Implant - 4.0 x 7mm Cylinder	TP407	\$237.00
Standard Diameter Implant - 4.0 x 10mm Cylinder	TP410	\$237.00
Standard Diameter Implant - 4.0 x 13mm Cylinder	TP413	\$237.00
Standard Diameter Implant - 4.0 x 15mm Cylinder	TP415	\$237.00
Standard Diameter Implant - 4.0 x 18mm Cylinder	TP418	\$237.00
Standard Diameter Implant - 4.0 x 8.5mm Cylinder	TP485	\$237.00
Headless Cover Screw	CS275	\$39.00
Implant Cover Screw	CS375	\$51.50
<b>Expanded Platform 4/5mm &amp; 5/6mm Implants &amp; Cover Screws</b>		
4/5 OSSEOTITE XP™ Implant - 4mm Body/5mm Top x 10mm	OS4510	\$275.00
4/5 OSSEOTITE XP Implant - 4mm Body/5mm Top x 11.5mm	OS4511	\$275.00

# SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Expanded Platform 4/5mm &amp; 5/6mm Implants &amp; Cover Screws (Continued)</b>		
4/5 OSSEOTITE XP™ Implant - 4mm Body/5mm Top x 13mm	OS4513	\$275.00
4/5 OSSEOTITE XP Implant - 4mm Body/5mm Top x 15mm	OS4515	\$275.00
4/5 OSSEOTITE XP Implant - 4mm Body/5mm Top x 8.5mm	OS4585	\$275.00
5/6 OSSEOTITE XP Implant - 5mm Body/6mm Top x 10mm	OS5610	\$275.00
5/6 OSSEOTITE XP Implant - 5mm Body/6mm Top x 11.5mm	OS5611	\$275.00
5/6 OSSEOTITE XP Implant - 5mm Body/6mm Top x 13mm	OS5613	\$275.00
5/6 OSSEOTITE XP Implant - 5mm Body/6mm Top x 15mm	OS5615	\$275.00
5/6 OSSEOTITE XP Implant - 5mm Body/6mm Top x 8.5mm	OS5685	\$275.00
Headless Cover Screw	CS275	\$39.00
Implant Cover Screw for 5.0mm Top	CS500	\$51.50
Implant Cover Screw for 6.0mm Top	CS600	\$51.50

## Wide Diameter 5.0mm Implants & Cover Screws

Wide Diameter Implant - 5.0 x 7mm OSSEOTITE®	OSS507	\$275.00
Wide Diameter Implant - 5.0 x 10mm OSSEOTITE	OSS510	\$275.00
Wide Diameter Implant - 5.0 x 11.5mm OSSEOTITE	OSS511	\$275.00
Wide Diameter Implant - 5.0 x 13mm OSSEOTITE	OSS513	\$275.00
Wide Diameter Implant - 5.0 x 15mm OSSEOTITE	OSS515	\$275.00
Wide Diameter Implant - 5.0 x 18mm OSSEOTITE	OSS518	\$275.00
Wide Diameter Implant - 5.0 x 8.5mm OSSEOTITE	OSS585	\$275.00
Wide Diameter Implant - 5.0 x 7mm ICE Super Self-Tapping	ICE507	\$258.00
Wide Diameter Implant - 5.0 x 10mm ICE Super Self-Tapping	ICE510	\$258.00
Wide Diameter Implant - 5.0 x 11.5mm ICE Super Self-Tapping	ICE511	\$258.00
Wide Diameter Implant - 5.0 x 13mm ICE Super Self-Tapping	ICE513	\$258.00
Wide Diameter Implant - 5.0 x 15mm ICE Super Self-Tapping	ICE515	\$258.00
Wide Diameter Implant - 5.0 x 18mm ICE Super Self-Tapping	ICE518	\$258.00
Wide Diameter Implant - 5.0 x 8.5mm ICE Super Self-Tapping	ICE585	\$258.00
Wide Diameter Implant - 5.0 x 7mm Cylinder	TP507	\$273.00
Wide Diameter Implant - 5.0 x 10mm Cylinder	TP510	\$273.00
Wide Diameter Implant - 5.0 x 13mm Cylinder	TP513	\$273.00
Wide Diameter Implant - 5.0 x 8.5mm Cylinder	TP585	\$273.00
Headless Cover Screw	CS275	\$39.00
Implant Cover Screw for 5.0mm Top	CS500	\$51.50

## Wide Diameter 6.0mm Implants & Cover Screws

Wide Diameter 6.0mm x 7mm OSSEOTITE	OSS607	\$275.00
Wide Diameter 6.0mm x 10mm OSSEOTITE	OSS610	\$275.00
Wide Diameter 6.0mm x 11.5mm OSSEOTITE	OSS611	\$275.00
Wide Diameter 6.0mm x 13mm OSSEOTITE	OSS613	\$275.00
Wide Diameter 6.0mm x 15mm OSSEOTITE	OSS615	\$275.00
Wide Diameter 6.0mm x 18mm OSSEOTITE	OSS618	\$275.00
Wide Diameter 6.0mm x 8.5mm OSSEOTITE	OSS685	\$275.00
Wide Diameter 6.0mm x 7mm ICE® Super Self-Tapping	ICE607	\$258.00
Wide Diameter 6.0mm x 18mm ICE Super Self-Tapping	ICE618	\$258.00
Wide Diameter 6.0mm x 10mm ICE Super Self-Tapping	ICE610	\$258.00
Wide Diameter 6.0mm x 11.5mm ICE Super Self-Tapping	ICE611	\$258.00
Wide Diameter 6.0mm x 13mm ICE Super Self-Tapping	ICE613	\$258.00
Wide Diameter 6.0mm x 15mm ICE Super Self-Tapping	ICE615	\$258.00

# SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Wide Diameter 6.0mm Implants &amp; Cover Screws (continued)</b>		
Wide Diameter 6.0mm x 8.5mm ICE® Super Self-Tapping	ICE685	\$258.00
Wide Diameter 6.0mm x 7mm Cylinder	TP607	\$273.00
Wide Diameter 6.0mm x 10mm Cylinder	TP610	\$273.00
Wide Diameter 6.0mm x 13mm Cylinder	TP613	\$273.00
Wide Diameter 6.0mm x 8.5mm Cylinder	TP685	\$273.00
Headless Cover Screw	CS275	\$39.00
Implant Cover Screw for 6.0mm Top	CS600	\$51.50

## TG Osseotite Implants & Cover Screws

TG OSSEOTITE® 3.25mm x 10mm - 1.8 collar height	TG2310	\$255.00
TG OSSEOTITE 3.25mm x 11.5mm - 1.8 collar height	TG2311	\$255.00
TG OSSEOTITE 3.25mm x 13mm - 1.8 collar height	TG2313	\$255.00
TG OSSEOTITE 3.25mm x 15mm - 1.8 collar height	TG2315	\$255.00
TG OSSEOTITE 3.25mm x 8.5mm - 1.8 collar height	TG2385	\$255.00
TG OSSEOTITE 4mm x 10mm - 1.8 collar height	TG2410	\$255.00
TG OSSEOTITE 4mm x 11.5mm - 1.8 collar height	TG2411	\$255.00
TG OSSEOTITE 4mm x 13mm - 1.8 collar height	TG2413	\$255.00
TG OSSEOTITE 4mm x 15mm - 1.8 collar height	TG2415	\$255.00
TG OSSEOTITE 4mm x 8.5mm - 1.8 collar height	TG2485	\$255.00
TG OSSEOTITE 5mm x 10mm - 1.8 collar height	TG2510	\$270.00
TG OSSEOTITE 5mm x 11.5mm - 1.8 collar height	TG2511	\$270.00
TG OSSEOTITE 5mm x 13mm - 1.8 collar height	TG2513	\$270.00
TG OSSEOTITE 5mm x 15mm - 1.8 collar height	TG2515	\$270.00
TG OSSEOTITE 5mm x 8.5mm - 1.8 collar height	TG2585	\$270.00
TG OSSEOTITE 3.25mm x 10mm - 2.8 collar height	TG3310	\$255.00
TG OSSEOTITE 3.25mm x 11.5mm - 2.8 collar height	TG3311	\$255.00
TG OSSEOTITE 3.25mm x 13mm - 2.8 collar height	TG3313	\$255.00
TG OSSEOTITE 3.25mm x 15mm - 2.8 collar height	TG3315	\$255.00
TG OSSEOTITE 3.25mm x 8.5mm - 2.8 collar height	TG3385	\$255.00
TG OSSEOTITE 4mm x 10mm - 2.8 collar height	TG3410	\$255.00
TG OSSEOTITE 4mm x 11.5mm - 2.8 collar height	TG3411	\$255.00
TG OSSEOTITE 4mm x 13mm - 2.8 collar height	TG3413	\$255.00
TG OSSEOTITE 4mm x 15mm - 2.8 collar height	TG3415	\$255.00
TG OSSEOTITE 4mm x 8.5mm - 2.8 collar height	TG3485	\$255.00
TG OSSEOTITE 5mm x 10mm - 2.8 collar height	TG3510	\$270.00
TG OSSEOTITE 5mm x 11.5mm - 2.8 collar height	TG3511	\$270.00
TG OSSEOTITE 5mm x 13mm - 2.8 collar height	TG3513	\$270.00
TG OSSEOTITE 5mm x 15mm - 2.8 collar height	TG3515	\$270.00
TG OSSEOTITE 5mm x 8.5mm - 2.8 collar height	TG3585	\$270.00
TG Cover Screw - 0.5mm	TGCS05	\$26.00
TG Cover Screw - 1mm	TGCS10	\$31.00
TG Cover Screw - 2mm	TGCS20	\$43.00
TG Cover Screw - 3mm	TGCS30	\$43.00
TG Cover Screw - 4mm	TGCS40	\$43.00
TG Cover Screw - 5mm	TGCS50	\$43.00

# SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Healing Abutments</b>		
MicroMiniplant™ 3.8 x 2mm EP® One-Piece Healing Abutment	MHA32	\$39.25
MicroMiniplant 3.8 x 4mm EP One-Piece Healing Abutment	MHA34	\$39.25
MicroMiniplant 3.8 x 6mm EP One-Piece Healing Abutment	MHA36	\$39.25
MicroMiniplant 3.8 x 4mm EP Two-Piece Healing Abutment	MT234	\$42.00
MicroMiniplant 3.8 x 6mm EP Two-Piece Healing Abutment	MT236	\$42.00
MicroMiniplant 5.0 x 4mm EP Two-Piece Healing Abutment	MT254	\$42.00
MicroMiniplant 5.0 x 6mm EP Two-Piece Healing Abutment	MT256	\$42.00
Miniplant®/Standard Diameter 5.0 x 2mm EP One-Piece Healing Abutment	THA52	\$33.00
Miniplant/Standard Diameter 5.0 x 4mm EP One-Piece Healing Abutment	THA54	\$33.00
Miniplant/Standard Diameter 5.0 x 6mm EP One-Piece Healing Abutment	THA56	\$33.00
Miniplant/Standard Diameter 5.0 x 8mm EP One-Piece Healing Abutment	THA58	\$33.00
Miniplant/Standard Diameter 6.0 x 4mm EP One-Piece Healing Abutment	THA64	\$41.00
Miniplant/Standard Diameter 6.0 x 6mm EP One-Piece Healing Abutment	THA66	\$41.00
Miniplant/Standard Diameter 6.0 x 8mm EP One-Piece Healing Abutment	THA68	\$41.00
Miniplant/Standard Diameter 7.5 x 4mm EP One-Piece Healing Abutment	THA74	\$41.00
Miniplant/Standard Diameter 7.5 x 6mm EP One-Piece Healing Abutment	THA76	\$41.00
Miniplant/Standard Diameter 7.5 x 8mm EP One-Piece Healing Abutment	THA78	\$41.00
Miniplant/Standard Diameter 5.0 x 3mm EP Two-Piece Healing Abutment	TH253	\$39.25
Miniplant/Standard Diameter 5.0 x 4mm EP Two-Piece Healing Abutment	TH254	\$39.25
Miniplant/Standard Diameter 5.0 x 6mm EP Two-Piece Healing Abutment	TH256	\$39.25
Miniplant/Standard Diameter 5.0 x 8mm EP Two-Piece Healing Abutment	TH258	\$39.25
Miniplant/Standard Diameter 6.0 x 3mm EP Two-Piece Healing Abutment	TH263	\$47.50
Miniplant/Standard Diameter 6.0 x 4mm EP Two-Piece Healing Abutment	TH264	\$47.50
Miniplant/Standard Diameter 6.0 x 6mm EP Two-Piece Healing Abutment	TH266	\$47.50
Miniplant/Standard Diameter 6.0 x 8mm EP Two-Piece Healing Abutment	TH268	\$47.50
Miniplant/Standard Diameter 7.5 x 3mm EP Two-Piece Healing Abutment	TH273	\$47.50
Miniplant/Standard Diameter 7.5 x 4mm EP Two-Piece Healing Abutment	TH274	\$47.50
Miniplant/Standard Diameter 7.5 x 6mm EP Two-Piece Healing Abutment	TH276	\$47.50
Miniplant/Standard Diameter 7.5 x 8mm EP Two-Piece Healing Abutment	TH278	\$47.50
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 5.0 x 3mm	WT2553	\$52.50
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 5.0 x 4mm	WT2554	\$52.50
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 5.0 x 6mm	WT2556	\$52.50
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 5.0 x 8mm	WT2558	\$52.50
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 6.0 x 3mm	WT2563	\$52.50
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 6.0 x 4mm	WT2564	\$52.50
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 6.0 x 6mm	WT2566	\$52.50
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 6.0 x 8mm	WT2568	\$52.50
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 7.5 x 3mm	WT2573	\$52.50
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 7.5 x 4mm	WT2574	\$52.50
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 7.5 x 6mm	WT2576	\$52.50
Wide Diameter 5.0mm EP Two-Piece Healing Abutment 7.5 x 8mm	WT2578	\$52.50
Wide Diameter 6.0mm EP Two-Piece Healing Abutment 6.0 x 3mm	WT2663	\$52.50
Wide Diameter 6.0mm EP Two-Piece Healing Abutment 6.0 x 4mm	WT2664	\$52.50
Wide Diameter 6.0mm EP Two-Piece Healing Abutment 6.0 x 6mm	WT2666	\$52.50
Wide Diameter 6.0mm EP Two-Piece Healing Abutment 6.0 x 8mm	WT2668	\$52.50
Wide Diameter 6.0mm EP Two-Piece Healing Abutment 7.5 x 3mm	WT2673	\$52.50

# SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Healing Abutments (Continued)</b>		
Wide Diameter 6.0mm EP Two-Piece Healing Abutment 7.5 x 4mm	WT2674	\$52.50
Wide Diameter 6.0mm EP® Two-Piece Healing Abutment 7.5 x 6mm	WT2676	\$52.50
Wide Diameter 6.0mm EP Two-Piece Healing Abutment 7.5 x 8mm	WT2678	\$52.50
Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 2mm	WTH52	\$46.50
Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 4mm	WTH54	\$46.50
Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 6mm	WTH56	\$46.50
Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 8mm	WTH58	\$46.50
Wide Diameter 5.0mm EP One-Piece Healing Abutment 6.0 x 2mm	WTH562	\$46.50
Wide Diameter 5.0mm EP One-Piece Healing Abutment 6.0 x 4mm	WTH564	\$46.50
Wide Diameter 5.0mm EP One-Piece Healing Abutment 6.0 x 6mm	WTH566	\$46.50
Wide Diameter 5.0mm EP One-Piece Healing Abutment 6.0 x 8mm	WTH568	\$46.50
Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 2mm	WTH572	\$46.50
Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 4mm	WTH574	\$46.50
Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 6mm	WTH576	\$46.50
Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 8mm	WTH578	\$46.50
Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 2mm	WTH62	\$46.50
Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 4mm	WTH64	\$46.50
Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 6mm	WTH66	\$46.50
Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 8mm	WTH68	\$46.50
Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 2mm	WTH672	\$46.50
Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 4mm	WTH674	\$46.50
Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 6mm	WTH676	\$46.50
Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 8mm	WTH678	\$46.50

<b>Multiple Patient Use Drills</b>		
Round Drill	RD100	\$36.00
Tri-Flute Cylinder Bur - 3.3mm x 13mm	TCB33	\$101.00
Tri-Flute Cylinder Bur - 3.3mm x 18mm	TCB38	\$101.00
Tri-Flute Cylinder Bur - 4.0mm x 13mm	TCB43	\$101.00
Tri-Flute Cylinder Bur - 4.0mm x 18mm	TCB48	\$101.00
Tri-Flute Cylinder Bur - 5.0mm x 13mm	TCB53	\$129.00
Tri-Flute Cylinder Bur - 5.0mm x 8.5mm	TCB58	\$129.00
Tri-Flute Cylinder Bur - 6.0mm x 13mm	TCB63	\$129.00
Tri-Flute Cylinder Bur - 6.0mm x 8.5mm	TCB68	\$129.00
Tri-Spade Twist Drill - 2.0mm x 10mm (Internally Irrigated)	ITD210	\$101.00
Tri-Spade Twist Drill - 2.0mm x 15mm (Internally Irrigated)	ITD215	\$101.00
Tri-Spade Twist Drill - 2.0mm x 20mm (Internally Irrigated)	ITD220	\$101.00
Tri-Spade Twist Drill - 2.75mm x 10mm (Internally Irrigated)	ITD2710	\$101.00
Tri-Spade Twist Drill - 2.75mm x 15mm (Internally Irrigated)	ITD2715	\$101.00
Tri-Spade Twist Drill - 2.75mm x 20mm (Internally Irrigated)	ITD2720	\$101.00
Tri-Spade Twist Drill - 3.0mm x 10mm (Internally Irrigated)	ITD310	\$101.00
Tri-Spade Twist Drill - 3.0mm x 15mm (Internally Irrigated)	ITD315	\$101.00
Tri-Spade Twist Drill - 3.0mm x 20mm (Internally Irrigated)	ITD320	\$101.00
Tri-Spade Twist Drill - 3.15mm x 10mm (Internally Irrigated)	ITD3110	\$101.00
Tri-Spade Twist Drill - 3.15mm x 15mm (Internally Irrigated)	ITD3115	\$101.00
Tri-Spade Twist Drill - 3.15mm x 20mm (Internally Irrigated)	ITD3120	\$101.00

# SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Multiple Patient Use Drills (Continued)</b>		
Tri-Spade Twist Drill - 3.25mm x 10mm (Internally Irrigated)	ITD3210	\$101.00
Tri-Spade Twist Drill - 3.25mm x 15mm (Internally Irrigated)	ITD3215	\$101.00
Tri-Spade Twist Drill - 3.25mm x 20mm (Internally Irrigated)	ITD3220	\$101.00
Tri-Spade Twist Drill - 4.25mm x 13mm (Internally Irrigated)	ITD423	\$127.00
Tri-Spade Twist Drill - 4.25mm x 8.5mm (Internally Irrigated)	ITD428	\$127.00
Tri-Spade Twist Drill - 4.25mm x 18mm (Internally Irrigated)	ITD4218	\$127.00
Tri-Spade Twist Drill - 5.25mm x 13mm (Internally Irrigated)	ITD523	\$127.00
Tri-Spade Twist Drill - 5.25mm x 8.5mm (Internally Irrigated)	ITD528	\$127.00
Tri-Spade Twist Drill - 5.25mm x 18mm (Internally Irrigated)	ITD5218	\$127.00
Twist Drill - 2.3mm x 10mm	TD210	\$96.00
Twist Drill - 2.3mm x 15mm	TD215	\$96.00
Twist Drill - 2.3mm x 20mm	TD220	\$96.00
Twist Drill - 3.0mm x 10mm	TD310	\$96.00
Twist Drill - 3.0mm x 15mm	TD315	\$96.00
Twist Drill - 3.0mm x 20mm	TD320	\$96.00
Twist Drill - 3.15mm x 10mm	TD3110	\$96.00
Twist Drill - 3.15mm x 15mm	TD3115	\$96.00
Twist Drill - 3.15mm x 20mm	TD3120	\$96.00
Twist Drill - 3.25mm x 10mm	TD3210	\$96.00
Twist Drill - 3.25mm x 15mm	TD3215	\$96.00
Twist Drill - 3.25mm x 20mm	TD3220	\$96.00
Countersink Drill for Miniplant®/Standard Diameter Threaded and Cylinder Implants	CD100	\$99.00
Countersink Drill for 4/5mm Expanded Platform OSSEOTITE® Implant	CD4500	\$127.00
Countersink Drill for 5/6mm Expanded Platform OSSEOTITE Implant	CD5600	\$127.00
Pilot/Countersink Drill for Wide Diameter Threaded Implants - 5.0mm	CD500	\$127.00
Pilot/Countersink Drill for Wide Diameter Threaded Implants - 6.0mm	CD600	\$127.00
Pilot Drill 2mm - 3mm	PD100	\$99.00
Pilot Drill for Wide Diameter Cylinder Implants - 5.0mm	PD500	\$123.00
Pilot Drill for Wide Diameter Cylinder Implants - 6.0mm	PD600	\$127.00
Pilot Shaping Drill 2/3mm for TG OSSEOTITE® Implants	PSD100	\$101.00
MicroMiniplant™/Miniplant® Bone Tap - Short	MTAP1	\$101.00
MicroMiniplant/Miniplant Bone Tap - Long	MTAP2	\$101.00
Standard Diameter Bone Tap - 10mm	TAP10	\$101.00
Standard Diameter Bone Tap - 13mm	TAP13	\$101.00
Standard Diameter Bone Tap - 20mm	TAP20	\$101.00
Bone Tap - 4.0mm Diameter x 10mm	TAP410	\$101.00
Bone Tap - 4.0mm Diameter x 13mm	TAP413	\$101.00
Bone Tap - 4.0mm Diameter x 20mm	TAP420	\$101.00
Wide Diameter Bone Tap - 5.0mm x 13mm	TAP53S	\$127.00
Wide Diameter Bone Tap - 5.0mm x 8.5mm	TAP58S	\$127.00
Wide Diameter Bone Tap - 5.0mm x 18mm	TAP518S	\$127.00
Wide Diameter Bone Tap - 6.0mm x 13mm	TAP63S	\$127.00
Wide Diameter Bone Tap - 6.0mm x 8.5mm	TAP68S	\$127.00
Wide Diameter Bone Tap - 6.0mm x 18mm	TAP618S	\$127.00



# SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Drill Stops</b>		
Drill Stop - 2/3.25mm x 10mm	DS2310	\$6.25
Drill Stop - 2/3.25mm x 15mm	DS2315	\$6.25
Drill Stop - 2/3.25mm x 20mm	DS2320	\$6.25
Drill Stop - 4.25/5.25mm x 8.5mm	DS458	\$6.25
Drill Stop - 4.25/5.25mm x 13mm	DS4513	\$6.25
Drill Stop - 4.25/5.25mm x 18mm	DS4518	\$6.25
Drill Stop Block	DSB100	\$45.00

<b>Single Patient Use Drills</b>		
Round Drill	DR100	\$18.75
Twist Drill - 2.3mm x 10mm	DT210	\$17.50
Twist Drill - 2.3mm x 15mm	DT215	\$17.50
Twist Drill - 2.3mm x 20mm	DT220	\$18.75
Twist Drill - 3.0mm x 10mm	DT310	\$17.50
Twist Drill - 3.0mm x 15mm	DT315	\$17.50
Twist Drill - 3.0mm x 20mm	DT320	\$18.75
Twist Drill - 4.25mm x 13mm	DT423	\$17.50
Twist Drill - 4.25mm x 8.5mm	DT428	\$17.50
Twist Drill - 5.25mm x 13mm	DT523	\$17.50
Twist Drill - 5.25mm x 8.5mm	DT528	\$17.50
Twist Drill - 2.75mm x 10mm	DT2710	\$17.50
Twist Drill - 2.75mm x 15mm	DT2715	\$17.50
Twist Drill - 2.75mm x 20mm	DT2720	\$18.75
Twist Drill - 3.15mm x 10mm	DT3110	\$17.50
Twist Drill - 3.15mm x 15mm	DT3115	\$17.50
Twist Drill - 3.15mm x 20mm	DT3120	\$18.75
Twist Drill - 3.25mm x 10mm	DT3210	\$17.50
Twist Drill - 3.25mm x 15mm	DT3215	\$17.50
Twist Drill - 3.25mm x 20mm	DT3220	\$18.75
Twist Drill - 4.25mm x 18mm	DT4218	\$18.75
Twist Drill - 5.25mm x 18mm	DT5218	\$18.75
Countersink Drill	DC100	\$23.75
Pilot/Countersink Drill for Wide Diameter Threaded Implants - 5.0mm	DC500	\$24.75
Pilot/Countersink Drill for Wide Diameter Threaded Implants - 6.0mm	DC600	\$24.75
Pilot Drill	DP100	\$18.75
Pilot Shaping Drill 2/3mm for TG Osseotite® Implants	DPS100	\$18.00

<b>Single Patient Use Drill Kits</b>		
3-Pack Single Patient Use Drill Kit for Implants - 10mm	DDK210	\$29.00
3-Pack Single Patient Use Drill Kit for Implants - 15mm	DDK215	\$29.00
3-Pack Single Patient Use Drill Kit for Implants - 20mm	DDK220	\$29.00
5-Pack Single Patient Use Drill Kit for Miniplants® and Standard Diameter Implants - Twist Drill 3.0mm x 10mm	DDK310	\$62.00
5-Pack Single Patient Use Drill Kit for Miniplants and Standard Diameter Implants - Twist Drill 3.0mm x 15mm	DDK315	\$62.00

## SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Single Patient Use Drill Kits (continued)</b>		
5-Pack Single Patient Use Drill Kit for Miniplants and Standard Diameter Implants - Twist Drill 3.0mm x 20mm	DDK320	\$62.00
5-Pack Single Patient Use Drill Kit for OSSEOTITE XP™ 3/4 and Miniplants - Twist Drill 2.75mm x 10mm	DDK2710	\$62.00
5-Pack Single Patient Use Drill Kit for OSSEOTITE XP 3/4 and Miniplants - Twist Drill 2.75mm x 15mm	DDK2715	\$62.00
5-Pack Single Patient Use Drill Kit for OSSEOTITE XP 3/4 and Miniplants - Twist Drill 2.75mm x 20mm	DDK2720	\$62.00
5-Pack Single Patient Use Drill Kit for Standard Diameter Implants - Twist Drill 3.25mm x 10mm	DDK3210	\$62.00
5-Pack Single Patient Use Drill Kit for Standard Diameter Implants - Twist Drill 3.25mm x 15mm	DDK3215	\$62.00
5-Pack Single Patient Use Drill Kit for Standard Diameter Implants - Twist Drill 3.25mm x 20mm	DDK3220	\$62.00
3-Pack Single Patient Use Drill Kit for TG OSSEOTITE® Implants - 10mm	DKTG10	\$29.00
3-Pack Single Patient Use Drill Kit for TG OSSEOTITE Implants - 15mm	DKTG15	\$29.00
<b>Surgical Products</b>		
Basic Plastic Surgical Kit for Threaded Implants	PSKT10	\$1,540.00
Standard Plastic Surgical Kit for Threaded Implants	PSKT20	\$3,495.00
Premium Plastic Surgical Kit for Threaded Implants	PSKT30	\$5,040.00
Standard Surgical Kit for Threaded Implants	SKT20	\$2,950.00
Standard Surgical Kit for Cylinder Implants without Drills	SKT25A	\$1,660.00
Standard Surgical Kit for Cylinder Implants	SKT25	\$2,839.00
TG OSSEOTITE® Placement Kit	TGKIT	\$1,545.00
TG OSSEOTITE Conversion Kit	TGKITC	\$325.00
Miniplant®/Standard Diameter Cover Screw Insertor	CSI10	\$101.00
Wide Diameter 5.0mm Cover Screw Insertor	CSI50	\$101.00
Wide Diameter 6.0mm Cover Screw Insertor	CSI60	\$101.00
Cylinder Implant Depth Gauge - 3.3mm	IDG30	\$41.00
Cylinder Implant Depth Gauge - 4.0mm	IDG40	\$53.00
Cylinder Implant Depth Gauge - 5.0mm	IDG50	\$53.00
Cylinder Implant Depth Gauge - 6.0mm	IDG60	\$53.00
Direction Indicator - 2.3mm x 10mm	DI2310	\$19.00
Direction Indicator - 2.3mm x 15mm	DI2315	\$21.00
Drill Extension	DE016	\$42.00
Gelb Radiographic Depth Gauge Kit, 2.3mm diameter	XDG01	\$99.00
Gelb Radiographic Depth Gauge, 2.3mm x 13mm	XDG2313	\$23.00
Gelb Radiographic Depth Gauge, 2.3mm x 20mm	XDG2320	\$23.00
Hand-Piece Connector	MDR10	\$109.00
TG Ratchet Adapter	MDR10H	\$109.00
Implant Depth Probe	DP020	\$116.00
Wide Implant Depth Probe	WDP02	\$139.00
Implant Seating Instrument - Anterior	ISI10	\$72.00
Implant Seating Instrument - Posterior	ISI15	\$72.00
Mallet	MALL1	\$51.00

# SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Surgical Products (continued)</b>		
Open End Wrench	CW100	\$101.00
Pre-Angled Surgical Guide Kit	PMKIT	\$330.00
Radiographic Marking Balls - 30 Pack	RMB30	\$20.00
Ratchet Extension - 6mm	RE100	\$79.00
Ratchet Extension - 15mm	RE200	\$91.00
Ratchet Wrench	WR150	\$194.00
Stent Guide Tubes - 25 Pack	SGT25	\$30.00
TG OSSEOTITE Positive Reversal Mount	TGPRM	\$54.00
Surgical Drilling Unit	DU300	\$6,025.00
Miniplant®, Standard, Wide Diameter Mount, 15mmL	IC015	\$109.00
Surgical Index Coping Assembly	IC100	\$72.00
Index Coping Drill Guide	IC106	\$21.00
Index Coping Drill	ID100	\$17.50
Surgical Kit for 3.3/4.0/4.25mm Cylinder Implants	SKT23	\$615.00
Surgical Kit for 5.0/6.0mm Wide Diameter Cylinder Implants	SKT24	\$867.00
Surgical Kit for 5.0/6.0mm Wide Diameter Threaded Implants	SKT22	\$1,710.00
Plastic Organizer Tray	PTT100	\$232.00
Plastic Surgical Tray	PTT300	\$587.00
No-Touch Mini Surgical Block	TT150	\$72.00
Surgical Tray and Blue Drill Organizing Block	TT300	\$910.00
Aluminum Surgical Tray	TT250	\$375.00
Tissue Measuring Post	TMP80	\$97.00
Tissue Punch Standard	TP001	\$32.00
Tissue Punch 5.0mm	TP005	\$32.00
Tissue Punch 6.0mm	TP006	\$32.00
Titanium Curette 11/12 Gracey Configuration	TC012	\$44.00
Titanium Curette 13/14 Gracey Configuration	TC034	\$44.00
Titanium Curette 7/8 Gracey Configuration	TC078	\$44.00
Titanium Curette Kit	TCKIT	\$89.00
Titanium Elevator	TE003	\$147.00
Titanium Forceps	TF002	\$140.00
Titanium Suction Tip	TST01	\$146.00
<b>Bone Profilers</b>		
Wide Diameter Bone Profiler Kit - 5.0/6.0mm Implants	BPAKT	\$438.00
Organizer Box for Wide Diameter Bone Profiler Kit	BPAKTB	\$42.00
Standard Diameter Bone Profiler Kit	BPKIT	\$268.00
Organizer Box for Standard Diameter Bone Profiler Kit	BPKITB	\$41.00
MicroMiniplant™ Bone Profiler - 3.4mm dia/4mm Flare	BP340	\$101.00
Miniplant®/Standard Bone Profiler - 4.1mm dia/5mm Flare	BP450	\$101.00
Miniplant/Standard Bone Profiler - 4.1mm dia/6mm Flare	BP460	\$101.00
Miniplant/Standard Bone Profiler - 4.1mm dia/7.5mm Flare	BP475	\$101.00
Wide Diameter Bone Profiler 5mm dia/5mm Flare	BP550	\$101.00
Wide Diameter Bone Profiler 5mm dia/6mm Flare	BP560	\$101.00
Wide Diameter Bone Profiler 5mm dia/7.5mm Flare	BP575	\$101.00
Wide Diameter Bone Profiler 6mm dia/6mm Flare	BP660	\$101.00
Wide Diameter Bone Profiler 6mm dia/7.5mm Flare	BP675	\$101.00

# SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Biogran® Bone Graft Material</b>		
Biogran 750mg Glass Syringe 2-Pack	2100-0001	\$141.00
Biogran 750mg Glass Syringe 7-Pack	2100-0002	\$463.00
Biogran 500mg Mixing Cup 7-Pack	2100-0003	\$317.00
Biogran 750mg Mixing Cup 7-Pack	2100-0004	\$426.00
Biogran 1500mg Mixing Cup 7-Pack	2100-0005	\$572.00
<b>Regenerative Therapy</b>		
Autogenous Tissue Collector, 5-Pack	ATC05	\$64.50
BioTack™ Instrumentation System	BIOIS	\$752.00
BioTack Drill	BIOD1	\$56.00
BioTack Angled Driver	BIOAD	\$157.00
BioTack Straight Driver	BIOSD	\$146.00
Membrane Stabilizer/Punch Single Point	OFMS0	\$47.00
Membrane Stabilizer Double Point	OFMS1	\$147.00
BioTack Instrumentation Tray	BIOIT	\$298.00
BioTack Two Pack	BIO2P	\$26.00
BioTack Three Pack	BIO3P	\$40.00
OSSIX™ 6-Month Resorbable Collagen GBR Membrane 25x 30mm	OSX2530	\$110.00
OsseoFix® Guided Bone Regeneration System	OFKIT2	\$2,736.00
OsseoFix Select Membrane Stabilizing System	OFSKT	\$899.00
OsseoFix® Select Autoclave Case	OFKAC	\$164.00
OsseoFix System Organizer Tray	OFKT1	\$320.50
OsseoFix Select System Tray	OFKT2	\$218.50
OsseoFix Drill - Lag 9mm	OFLD9	\$58.00
OsseoFix Drill 3mm	OFDR3	\$57.50
OsseoFix Drill 4mm	OFDR4	\$57.50
OsseoFix Drill 8mm	OFDR8	\$57.50
OsseoFix Microplate Bender/Cutter	OFKBC1	\$142.50
OsseoFix Microplate - Single Row	OFF01	\$52.00
OsseoFix Microplate - Three Row	OFF03	\$98.00
OsseoFix Squaredrive Posterior Screwdriver	OFFDQ1	\$108.00
OsseoFix Squaredrive Long Screwdriver	OFLDQ1	\$171.00
OsseoFix Squaredrive Right Angle	OFRAQ1	\$85.50
OsseoFix 1mm Round Drill	OFRD1	\$26.00
OsseoFix Square Drive Screw 5pk 1mm x 3mmL	OFSQ13	\$116.50
OsseoFix Square Drive Screw 5pk 1mm x 4mmL	OFSQ14	\$116.50
OsseoFix Square Drive Screw 5pk 1mm x 6mmL	OFSQ16	\$116.50
OsseoFix Square Drive Screw 5pk 1mm x 8mmL	OFSQ18	\$116.50
OsseoFix Square Drive Screw 5pk 1mm x 10mmL	OFSQ110	\$116.50
OsseoFix Square Drive Screw 5pk 1mm x 12mmL	OFSQ112	\$116.50
OsseoFix Square Drive Screw 5pk 1.2mm x 3mmL	OFSQW3	\$116.50
OsseoFix Square Drive Screw 5pk 1.2mm x 4mmL	OFSQW4	\$116.50
OsseoFix Square Drive Screw 5pk 1.2mm x 6mmL	OFSQW6	\$116.50
OsseoFix Square Drive Screw 5pk 1.2mm x 8mmL	OFSQW8	\$116.50
OsseoFix Square Drive Screw 5pk 1.2mm x 10mmL	OFSQW10	\$116.50
OsseoFix Square Drive Screw 5pk 1.2mm x 12mmL	OFSQW12	\$116.50
Quetin Bone-Mill, Stainless Steel	QBM001	\$2,434.00

# SURGICAL PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Advanced Therapy</b>		
Trephine Bur 2mm dia	TRE02	\$113.50
Trephine Bur 4mm dia	TRE04	\$113.50
Trephine Bur 5mm dia	TRE05	\$113.50
Trephine Bur 6mm dia	TRE06	\$113.50
Trephine Bur 8mm dia	TRE08	\$113.50
Sinus Elevation Kit	SEKT1	\$523.00
Single End Membrane Elevator	ME100	\$53.00
Double End Membrane Elevator - Medium	ME200	\$72.00
Double End Membrane Elevator - Large	ME300	\$72.00
Titanium Plugger - Large	TIPL1	\$53.00
Titanium Plugger - Small	TIPS1	\$53.00
Titanium Coated Bone Carrier	TIBC1	\$159.00
Sinus Elevation Kit Tray Only	SEKTR	\$155.00
Summers Osteotome Kit, 1-4	OST00	\$462.00
Summers Osteotome Kit, 1-5	OST10	\$515.00
Summers Osteotome Kit, 1-FS	OST20	\$573.00
Summers Osteotome - #1	OST01	\$104.00
Summers Osteotome - #2	OST02	\$104.00
Summers Osteotome - #3	OST03	\$104.00
Summers Osteotome - #4	OST04	\$104.00
Osteotome for 5mm Wide Implants	OST05	\$104.00
Osteotome for Future Site	OSTFS	\$104.00
Osteotome Kit Tray Only	OSTTR	\$109.00

## PCS® Platelet Concentrate Collection System™

Platelet Concentrate Collection System™ (Single Use Disposable)	800-0100	\$245.00
Includes the following:		
Two 60 mL Syringe		
One 10 mL Syringe		
One 20 Gauge Needle		
One 16 Gauge IV Catheter		
One Platelet Concentrate Collection Set		
Platelet Concentrate Collection Centrifuge System 120 Volt 50-60Hz	7426	\$4,250.00
Platelet Concentrate Collection Centrifuge System 240 Volt 50-60Hz	7427	\$4,250.00

## 3X Implant Models

OSSEOTITE® Implant 4.0mm x 13.0mm, 3X Model	OSSMOD1	\$40.00
OSSEOTITE XP™ Implant 4/5mm x 13.0mm, 3X Model	XPMOD1	\$40.00
TG OSSEOTITE® Implant 2.8mm Collar, 4.0mm x 13.0mm with post, 3X Model	TGMOD1	\$40.00
Implant Model Base - For One Implant	MODELBASE	\$0.00

# Restorative Products

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## **Products Listed By Description**



# RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>MicroMiniplant™ Abutments</b>		
*MicroMiniplant GingiHue™ Post 3.4mm x 3.8mm x 2mm	MAP32G	\$80.00
*MicroMiniplant GingiHue Post 3.4mm x 3.8mm x 4mm	MAP34G	\$80.00
*MicroMiniplant 150 Pre-Angled GingiHue™ Post 3.4mm x 3.8mm x 2mm	MPAP32G	\$100.00
*MicroMiniplant 150 Pre-Angled GingiHue Post 3.4mm x 3.8mm x 4mm	MPAP34G	\$100.00
*MicroMiniplant UCLA Gold Hexed Abutment Cylinder	MUCG1C	\$92.00
MicroMiniplant Conical Abutment 1mm	MCA31	\$128.00
MicroMiniplant Conical Abutment 2mm	MCA32	\$128.00
MicroMiniplant Conical Abutment 3mm	MCA33	\$128.00
MicroMiniplant Conical Abutment 4mm	MCA34	\$128.00
<b>Miniplant®/Standard Diameter Abutments</b>		
*GingiHue™ Post 4.1mm x 5mm x 2mm	APP452G	\$80.00
*GingiHue Post 4.1mm x 5mm x 4mm	APP454G	\$80.00
*GingiHue Post 4.1mm x 6mm x 2mm	APP462G	\$80.00
*GingiHue Post 4.1mm x 6mm x 4mm	APP464G	\$80.00
*GingiHue Post 4.1mm x 7.5mm x 2mm	APP472G	\$80.00
*GingiHue Post 4.1mm x 7.5mm x 4mm	APP474G	\$80.00
*15° Pre-Angled GingiHue™ Post 4.1mm x 5mm x 2mm	PAP452G	\$100.00
*15° Pre-Angled GingiHue Post 4.1mm x 5mm x 4mm	PAP454G	\$100.00
*15° Pre-Angled GingiHue Post 4.1mm x 6mm x 2mm	PAP462G	\$100.00
*15° Pre-Angled GingiHue Post 4.1mm x 6mm x 4mm	PAP464G	\$100.00
*15° Pre-Angled GingiHue Post 4.1mm x 7.5mm x 2mm	PAP472G	\$100.00
*15° Pre-Angled GingiHue Post 4.1mm x 7.5mm x 4mm	PAP474G	\$100.00
*ZiReal™ Post 4.1mm x 5mm x 4mm	CAP454	\$162.00
*ZiReal™ Post 4.1mm x 6mm x 4mm	CAP464	\$162.00
Gold Post™ Abutment 1mm	GPA01	\$130.00
Gold Post Abutment 2mm	GPA02	\$130.00
Gold Post Abutment 3mm	GPA03	\$130.00
Gold Post Abutment 4mm	GPA04	\$130.00
ISTA® - Single Tooth Abutment 1mm	STA451	\$185.00
ISTA - Single Tooth Abutment 2mm	STA452	\$185.00
ISTA - Single Tooth Abutment 3mm	STA453	\$185.00
ISTA - Single Tooth Abutment 4mm	STA454	\$185.00
ISTA - Single Tooth Abutment 5mm	STA455	\$185.00
*UCLA Gold Standard ZR™ Hexed Abutment Cylinder	SGUCA1C	\$92.00
*UCLA Gold Hexed Abutment Cylinder	GUCA1C	\$92.00
*UCLA Gold Non-Hexed Abutment Cylinder	GUCA2C	\$92.00
*UCLA Castable Plastic Hexed Abutment Cylinder	UNAB1C	\$42.00
*UCLA Castable Plastic Non-Hexed Abutment Cylinder	UNAB2C	\$42.00
*UCLA Castable Plastic Hexed Abutment Cylinders 25 Pack	UNA125	\$865.00
*UCLA Castable Plastic Non-Hexed Abutment Cylinders 25 Pack	UNA225	\$865.00
Conical Abutment 1mm	CA001	\$128.00
Conical Abutment 2mm	CA002	\$128.00
Conical Abutment 3mm	CA003	\$128.00
Conical Abutment 4mm	CA004	\$128.00

# RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Miniplant®/Standard Diameter Abutments (Continued)</b>		
Conical Abutment 5.5mm	CA055	\$128.00
Conical Gold Standard ZR™ Abutment 1mm	SCA001	\$128.00
Conical Gold Standard ZR Abutment 2mm	SCA002	\$128.00
Conical Gold Standard ZR Abutment 3mm	SCA003	\$128.00
Conical Gold Standard ZR Abutment 4mm	SCA004	\$128.00
Conical Gold Standard ZR Abutment 5.5mm	SCA055	\$128.00
Standard Abutment 2mm	AB200	\$125.00
Standard Abutment 3mm	AB300	\$125.00
Standard Abutment 4mm	AB400	\$125.00
Standard Abutment 5.5mm	AB550	\$125.00
Standard Abutment 7mm	AB700	\$125.00
*Pre-Angled Abutment 15° x 2mm Cylinder	PA152C	\$128.00
*Pre-Angled Abutment 15° x 4mm Cylinder	PA154C	\$128.00
*Pre-Angled Abutment 15° x 6mm Cylinder	PA156C	\$128.00
*Pre-Angled Abutment 25° x 2mm Cylinder	PA252C	\$138.00
*Pre-Angled Abutment 25° x 4mm Cylinder	PA254C	\$138.00
*Pre-Angled Abutment 25° x 6mm Cylinder	PA256C	\$138.00
O-Ring Abutment 2mm	OSO20	\$125.00
O-Ring Abutment 4mm	OSO40	\$125.00
O-Ring Abutment 6mm	OSO60	\$125.00
Dal-Ro Abutment 2mm	DRA20	\$125.00
Dal-Ro Abutment 4mm	DRA40	\$125.00
Dal-Ro Abutment 6mm	DRA60	\$125.00
LOCATOR™ Abutment 1mm	LOA001	\$135.00
LOCATOR Abutment 2mm	LOA002	\$135.00
LOCATOR Abutment 3mm	LOA003	\$135.00
LOCATOR Abutment 4mm	LOA004	\$135.00
<b>Wide Diameter 5.0mm Abutments</b>		
*GingiHue™ Post 5mm x 5mm x 2mm	WPP552G	\$83.00
*GingiHue Post 5mm x 5mm x 4mm	WPP554G	\$83.00
*GingiHue Post 5mm x 6mm x 2mm	WPP562G	\$83.00
*GingiHue Post 5mm x 6mm x 4mm	WPP564G	\$83.00
*GingiHue Post 5mm x 7.5mm x 2mm	WPP572G	\$83.00
*GingiHue Post 5mm x 7.5mm x 4mm	WPP574G	\$83.00
*150 Pre-Angled GingiHue™ Post 5mm x 5mm x 2mm	PAP552G	\$103.00
*150 Pre-Angled GingiHue Post 5mm x 5mm x 4mm	PAP554G	\$103.00
*150 Pre-Angled GingiHue Post 5mm x 6mm x 2mm	PAP562G	\$103.00
*150 Pre-Angled GingiHue Post 5mm x 6mm x 4mm	PAP564G	\$103.00
*150 Pre-Angled GingiHue Post 5mm x 7.5mm x 2mm	PAP572G	\$103.00
*150 Pre-Angled GingiHue Post 5mm x 7.5mm x 4mm	PAP574G	\$103.00
*ZiReal™ Post 5mm x 6mm x 4mm	WCAP564	\$162.00
*ZiReal Post 5mm x 7.5mm x 4mm	WCAP574	\$162.00
ISTA® - Single Tooth Abutment 1mm	STA551	\$195.00
ISTA - Single Tooth Abutment 2mm	STA552	\$195.00
ISTA - Single Tooth Abutment 3mm	STA553	\$195.00



# RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Wide Diameter 5.0mm Abutments (Continued)</b>		
*UCLA Gold Standard ZR™ Hexed Abutment Cylinder	SWGA51C	\$102.00
*UCLA Gold Hexed Abutment Cylinder	WGA51C	\$102.00
*UCLA Gold Non-Hexed Abutment Cylinder	WGA52C	\$102.00
*UCLA Castable Plastic Hexed Abutment Cylinder	WPC51C	\$52.00
*UCLA Castable Plastic Non-Hexed Abutment Cylinder	WPC52C	\$52.00
Conical Abutment 1mm	WCA51	\$138.50
Conical Abutment 2mm	WCA52	\$138.50
Conical Abutment 3mm	WCA53	\$138.50
Conical Abutment 4mm	WCA54	\$138.50
Conical Abutment 5.5mm	WCA55	\$138.50
Conical Gold Standard ZR™ Abutment 1mm	SWCA51	\$138.50
Conical Gold Standard ZR Abutment 2mm	SWCA52	\$138.50
Conical Gold Standard ZR Abutment 3mm	SWCA53	\$138.50
Conical Gold Standard ZR Abutment 4mm	SWCA54	\$138.50
Conical Gold Standard ZR Abutment 5.5mm	SWCA55	\$138.50
Standard Abutment 2mm	WAB200	\$128.00
Standard Abutment 3mm	WAB300	\$128.00
Standard Abutment 4mm	WAB400	\$128.00
Standard Abutment 5.5mm	WAB550	\$128.00
O-Ring Abutment 2mm	WOSO20	\$132.00
O-Ring Abutment 4mm	WOSO40	\$132.00
O-Ring Abutment 6mm	WOSO60	\$132.00
<b>Wide Diameter 6.0mm Abutments</b>		
Prep-Tite™ Abutment Series		
*GingiHue™ Post 6mm x 6mm x 2mm	WPP662G	\$83.00
*GingiHue Post 6mm x 6mm x 4mm	WPP664G	\$83.00
*GingiHue Post 6mm x 7.5mm x 2mm	WPP672G	\$83.00
*GingiHue Post 6mm x 7.5mm x 4mm	WPP674G	\$83.00
*15° Pre-Angled GingiHue™ Post 6mm x 6mm x 2mm	PAP662G	\$103.00
*15° Pre-Angled GingiHue Post 6mm x 6mm x 4mm	PAP664G	\$103.00
*15° Pre-Angled GingiHue Post 6mm x 7.5mm x 2mm	PAP672G	\$103.00
*15° Pre-Angled GingiHue Post 6mm x 7.5mm x 4mm	PAP674G	\$103.00
ISTA® - Single Tooth Abutment 1mm	STA661	\$195.00
ISTA - Single Tooth Abutment 2mm	STA662	\$195.00
ISTA - Single Tooth Abutment 3mm	STA663	\$195.00
*UCLA Gold Standard ZR™ Hexed Abutment Cylinder	SWGA61C	\$102.00
*UCLA Gold Hexed Abutment Cylinder	WGA61C	\$102.00
*UCLA Gold Non-Hexed Abutment Cylinder	WGA62C	\$102.00
*UCLA Castable Plastic Hexed Abutment Cylinder	WPC61C	\$52.00
*UCLA Castable Plastic Non-Hexed Abutment Cylinder	WPC62C	\$52.00
Conical Abutment 1mm	WCA61	\$138.50
Conical Abutment 2mm	WCA62	\$138.50
Conical Abutment 3mm	WCA63	\$138.50
Conical Abutment 4mm	WCA64	\$138.50
Conical Abutment 5.5mm	WCA65	\$138.50

# RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Wide Diameter 6.0mm Abutments (continued)</b>		
Conical Gold Standard ZR™ Abutment 1mm	SWCA61	\$138.50
Conical Gold Standard ZR Abutment 2mm	SWCA62	\$138.50
Conical Gold Standard ZR Abutment 3mm	SWCA63	\$138.50
Conical Gold Standard ZR Abutment 4mm	SWCA64	\$138.50
Conical Gold Standard ZR Abutment 5.5mm	SWCA65	\$138.50
<b>TG Osseotite® Abutments</b>		
TG Post 4mm	TGPF04	\$88.00
TG Post 5.5mm	TGPF55	\$88.00
TG Post 7mm	TGPF07	\$88.00
TG Pre-Angled Post 15° (Hexed Gold-Tite™ retaining screw included)	TGPA15	\$130.00
TG Pre-Angled Post 25° (Hexed Gold-Tite™ retaining screw included)	TGPA25	\$130.00
TG Hex Abutment	TGA01	\$100.00
TG O-Ring Abutment 0mm	TGOS00	\$80.00
TG O-Ring Abutment 2mm	TGOS02	\$80.00
TG O-Ring Abutment 4mm	TGOS04	\$80.00
TG Dal-Ro Abutment 0mm	TGDRA0	\$80.00
TG Dal-Ro Abutment 2mm	TGDRA2	\$80.00
TG LOCATOR™ Abutment 1mm	TGLA10	\$135.00
TG LOCATOR Abutment 2mm	TGLA20	\$135.00
TG LOCATOR Abutment 3mm	TGLA30	\$135.00
TG LOCATOR Abutment 4mm	TGLA40	\$135.00
<b>Healing Caps</b>		
Prep-Tite™ Cap 5mm(H) Fits: MAP32G, MAP34G	PTC345	\$12.50
Prep-Tite Cap 7mm(H) Fits: MAP32G, MAP34G	PTC347	\$12.50
Prep-Tite Cap 5mm(H) Fits: APP452G, APP454G	PTC455	\$12.50
Prep-Tite Cap 7mm(H) Fits: APP452G, APP454G	PTC457	\$12.50
Prep-Tite Cap 5mm(H) Fits: APP462G, APP464G, WPP562G, WPP564G	PTC465	\$12.50
Prep-Tite Cap 7mm(H) Fits: APP462G, APP464G, WPP562G, WPP564G	PTC467	\$12.50
Prep-Tite Cap 5mm(H) Fits: APP472G, APP474G, WPP572G, WPP574G, WPP672G, WPP674G	PTC475	\$12.50
Prep-Tite Cap 7mm(H) Fits: APP472G, APP474G, WPP572G, WPP574G, WPP672G, WPP674G	PTC477	\$12.50
Prep-Tite Cap 5mm(H) Fits: WPP552G, WPP554G	PTC555	\$12.50
Prep-Tite Cap 7mm(H) Fits: WPP552G, WPP554G	PTC557	\$12.50
Prep-Tite Cap 5mm(H) Fits: WPP662G, WPP664G	PTC665	\$12.50
Prep-Tite Cap 7mm(H) Fits: WPP662G, WPP664G	PTC667	\$12.50
MicroMiniplant™ Conical Healing Cap	MHC33	\$20.00
ISTA® Healing Cap 5mm	STTH5	\$21.00
ISTA Healing Cap 6mm	STTH56	\$21.00
ISTA Healing Cap 7.5mm	STTH57	\$21.00
Conical Healing Cap 5mm for 4.1mm and 5mm (D) Platforms	CS250	\$20.00
Conical Healing Cap 6mm	CS260	\$20.00
Conical Healing Cap 7.5mm	CS270	\$20.00
Standard Abutment Healing Cap	TS250	\$20.00
Wide Diameter 6mm Conical Healing Cap 6mm	WCS66	\$21.00

\*Use of square Gold-Tite™ Uniscrew recommended.  
 [ ] Packaged with a square Gold-Tite Uniscrew.

# RESTORATIVE PRODUCTS BY DESCRIPTION

Catalog  
Number Price Each

## Healing Caps (continued)

Wide Diameter 6mm Conical Healing Cap 7.5mm	WCS67	\$21.00
Wide Diameter 6mm STA Healing Cap 6mm	STTH6	\$21.00
Wide Diameter 6mm STA Healing Cap 7.5mm	STTH67	\$21.00
TG Post Lok-Cap™ 4mm	TGLC04	\$12.00
TG Post Lok-Cap 5.5mm	TGLC55	\$12.00
TG Post Lok-Cap 7mm	TGLC07	\$12.00
TG Hex Abutment Healing Cap	TGAHC	\$15.00

## Implant Impression Copings

MicroMiniplant™ Pick-up Coping	MIC33	\$39.50
Implant Pick-up Coping 5mm	IIC12	\$40.00
Implant Pick-up Coping 6mm	IIC60	\$40.00
Implant Pick-up Coping 7.5mm	IIC75	\$40.00
Implant Twist Lock™ Coping 5mm	IIC45	\$40.00
Implant Twist Lock Coping 6mm	IIC46	\$40.00
Implant Twist Lock Coping 7.5mm	IIC47	\$40.00
5mm Implant Pick-up Coping 5mm	WIP55	\$45.00
5mm Implant Pick-up Coping 6mm	WIP56	\$45.00
5mm Implant Pick-up Coping 7.5mm	WIP57	\$45.00
6mm Implant Pick-up Coping 6mm	WIP66	\$45.00
6mm Implant Pick-up Coping 7.5mm	WIP67	\$45.00
5mm Implant Twist Lock Coping 5mm	WIT55	\$45.00
5mm Implant Twist Lock Coping 6mm	WIT56	\$45.00
5mm Implant Twist Lock Coping 7.5mm	WIT57	\$45.00
6mm Implant Twist Lock Coping 6mm	WIT66	\$45.00
6mm Implant Twist Lock Coping 7.5mm	WIT67	\$45.00

## Abutment Impression Copings

MicroMiniplant™ Conical Coping	MEC33	\$38.00
STA® Pick-up Coping w/5mm Emergence Profile	SPIC5	\$27.00
STA Pick-up Coping w/6mm Emergence Profile	SPIC56	\$27.00
STA Pick-up Coping w/7.5mm Emergence Profile	SPIC57	\$27.00
STA Twist Lock™ Coping w/5mm Emergence Profile	STIC5	\$27.00
STA Twist Lock Coping w/6mm Emergence Profile	STIC56	\$27.00
STA Twist Lock Coping w/7.5mm Emergence Profile	STIC57	\$27.00
Conical Pick-up Coping 5mm Emergence Profile Non-Hexed	CSQI7	\$24.00
Conical Pick-up Coping 6mm Emergence Profile Non-Hexed	CSQ06	\$24.00
Conical Pick-up Coping 7.5mm Emergence Profile Non-Hexed	CSQ07	\$24.00
Conical Pick-up Coping 5mm Emergence Profile Hexed	CNRIC	\$32.00
Conical Pick-up Coping 6mm Emergence Profile Hexed	CSQN6	\$34.00
Conical Pick-up Coping 7.5mm Emergence Profile Hexed	CSQN7	\$34.00
Conical Twist Lock Coping 5mm Emergence Profile Non-Hexed	CIC55	\$20.00
Conical Twist Lock Coping 6mm Emergence Profile Non-Hexed	CIC56	\$20.00
Conical Twist Lock Coping 7.5mm Emergence Profile Non-Hexed	CIC57	\$20.00
Standard Abutment Pick-up Coping	SQIC7	\$22.00
Standard Abutment Transfer Coping	SIC70	\$20.00
Conical Pick-up Coping for 6mm Implant w/6mm Emergence Profile Hexed	WCP661	\$37.00

# RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Abutment Impression Copings (Continued)</b>		
Conical Pick-up Coping for 6mm Implant w/7.5mm Emergence Profile Hexed	WCP671	\$37.00
Conical Pick-up Coping for 6mm Implant w/6mm Emergence Profile Non-Hexed	WCP662	\$37.00
Conical Pick-up Coping for 6mm Implant w/7.5mm Emergence Profile Non-Hexed	WCP672	\$37.00
Conical Twist Lock Coping for 6mm Implant w/6mm Emergence Profile Hexed	WCT661	\$37.00
Conical Twist Lock Coping for 6mm Implant w/7.5mm Emergence Profile Hexed	WCT671	\$37.00
Conical Twist Lock Coping for 6mm Implant w/6mm Emergence Profile Non-Hexed	WCT662	\$37.00
Conical Twist Lock Coping for 6mm Implant w/7.5mm Emergence Profile Non-Hexed	WCT672	\$37.00
Wide Diameter 6mm STA Pick-up Coping 6mm	SPIC6	\$27.00
Wide Diameter 6mm STA Pick-up Coping 7.5mm	SPIC67	\$27.00
Wide Diameter 6mm STA Twist Lock Coping 6mm	STIC6	\$27.00
Wide Diameter 6mm STA Twist Lock Coping 7.5mm	STIC67	\$27.00
TG Hex Abutment Pick-up Coping	TGAPIC	\$28.00
TG Hex Abutment Twist Lock™ Coping	TGATIC	\$28.00
TG Post Impression Coping 4mm	TGPIC4	\$10.00
TG Post Impression Coping 5.5mm	TGPIC5	\$10.00
TG Post Impression Coping 7mm	TGPIC7	\$10.00
LOCATOR™ Abutment Impression Coping	LAIC1	\$17.00

<b>Analogs</b>		
MicroMiniplant™ Implant Lab Analog	MMILA	\$19.00
MicroMiniplant Conical Lab Analog	MMCLA	\$17.00
Implant Lab Analog	ILA20	\$18.00
STA® Lab Analog	STLA5	\$19.00
Conical Lab Analog	CLA20	\$12.50
Standard Abutment Lab Analog	SLA20	\$12.50
Wide Diameter 5mm Implant Lab Analog	ILAW5	\$24.00
Wide Diameter 6mm Implant Lab Analog	ILAW6	\$24.00
Wide Diameter 6mm Conical Lab Analog	WCLA6	\$19.00
Wide Diameter 6mm STA Lab Analog	STLA6	\$20.00
TG Hex Abutment Lab Analog	TGALA	\$21.00
TG Post Lab Analog 4mm	TGPLA4	\$21.00
TG Post Lab Analog 5.5mm	TGPLA5	\$21.00
TG Post Lab Analog 7mm	TGPLA7	\$21.00
TG O-Ring Lab Analog 0mm	TGORA0	\$22.00
TG O-Ring Lab Analog 2mm/4mm	TGORA2	\$22.00
TG OSSEOTITE® LOCATOR™ Abutment Lab Analog	TGLLA	\$17.00
LOCATOR Lab Analog	LALA1	\$17.00

<b>Temporary Cylinders</b>		
MicroMiniplant™ Implant Temporary Cylinder Hexed	MMTC1	\$50.00
MicroMiniplant Conical Temporary Cylinder Hexed	MCTC1	\$28.00
MicroMiniplant Conical Temporary Cylinder Non-Hexed	MCTC2	\$28.00
Miniplant®/Standard Diameter Implant Temporary Cylinder Hexed	ITCH0	\$50.00
Miniplant/Standard Diameter Implant Temporary Cylinder Non-Hexed	ITCH1	\$50.00
Miniplant/Standard Diameter Implant Retention Cylinder - 2mm	THRC4	\$41.00
Miniplant/Standard Diameter Implant Retention Cylinder - 4mm	THRC6	\$41.00
STA® Temporary Cylinder for 4.1mm/5mm Implant	STTC5	\$17.00

\*Use of square Gold-Tite™ Uniscrew recommended.  
 [] Packaged with a square Gold-tite Uniscrew.

# RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Temporary Cylinders (continued)</b>		
Conical Temporary Cylinder for 4.1mm/5mm Implant Hexed	CNC30	\$28.00
Conical Temporary Cylinder for 4.1mm/5mm Implant Non-Hexed	CC300	\$28.00
Standard Abutment Temporary Cylinder for Miniplant/Standard Diameter Implant	TC300	\$26.00
Implant - Wide Diameter 5mm Temporary Cylinder Hexed	WTC51	\$55.00
Implant - Wide Diameter 5mm Temporary Cylinder Non-Hexed	WTC52	\$55.00
Implant - Wide Diameter 6mm Temporary Cylinder Hexed	WTC61	\$55.00
Implant - Wide Diameter 6mm Temporary Cylinder Non-Hexed	WTC62	\$55.00
Conical - Wide Diameter 6mm Temporary Cylinder Hexed	WCTC60	\$32.00
Conical - Wide Diameter 6mm Temporary Cylinder Non-Hexed	WCTC61	\$32.00
STA Wide Diameter Temporary Cylinder for 6mm Implant	STTC6	\$17.50
TG Hex Abutment Temporary Cylinder Non-Hexed	TGATC	\$34.00
TG Hex Abutment Temporary Cylinder Hexed	TGANRTC	\$34.00
<b>Gold Cylinders</b>		
MicroMiniplant™ Conical Gold Cylinder Hexed	MCAG1	\$80.00
MicroMiniplant Conical Gold Cylinder Non-Hexed	MCAG2	\$75.00
STA® Gold Cylinder for 4.1mm/5mm Implant	STGC5	\$76.00
Conical Gold Cylinder Hexed for 4.1mm/5mm Implant	CNRG5	\$80.00
Conical Gold Cylinder Non-Hexed for 4.1mm/5mm Implant	CAGC5	\$66.50
Standard Abutment Gold Cylinder	SGC30	\$60.00
Standard Abutment Chamfered Gold Cylinder	CGC30	\$60.00
Conical Gold Cylinder Hexed for 6mm Implant	CNRG6	\$95.00
Conical Gold Cylinder Non-Hexed for 6mm Implant	CAGC6	\$90.00
STA Gold Cylinder for 6mm Wide Diameter Implant	STGC6	\$76.00
TG Hex Abutment Gold Cylinder Hexed	TGANRC	\$75.00
TG Hex Abutment Gold Cylinder Non-Hexed	TGAGC	\$75.00
TG Hex Abutment Milling Post - (For Cement Retained Restoration)	TGMP1	\$90.00
TG Hex Abutment Gold Cylinder - (For Bar Overdenture)	TGAGCB	\$75.00
<b>Castable Plastic Cylinders</b>		
Conical Castable Plastic Hexed Cylinder for 4.1mm/5mm Implant	CNRC5	\$32.00
Conical Castable Plastic Non-Hexed Cylinder for 4.1mm/5mm Implant	CACC5	\$27.00
Standard Abutment Castable Plastic Cylinder	SGC34	\$20.00
TG Hex Abutment Castable Plastic Hexed Cylinder	TGAPNR	\$20.00
TG Hex Abutment Castable Plastic Non-Hexed Cylinder	TGAPCC	\$20.00
TG Post Castable Cylinder (Single Unit)	TGPSUC	\$16.00
TG Post Castable Cylinder (Multi Unit)	TGPMUC	\$16.00
<b>Retaining Screws</b>		
Gold-Tite™ Hex Retaining Screw 2mm	GSH20	\$24.00
Gold-Tite Hex Retaining Screw 3mm	GSH30	\$24.00
Gold-Tite Hex Retaining Screw 7mm	GSH70	\$32.00
Hexed Gold-Tite UniScrew	UNIHG	\$50.00
Square Gold-Tite UniScrew	UNISG	\$50.00
Hexed Titanium UniScrew	UNIHT	\$40.00

## RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Replacement Attachments</b>		
LOCATOR™ Replacement Males - 4 Pack	LARMS	\$23.00
LOCATOR Light Retention Males - 4 Pack	LLRMS	\$23.00
LOCATOR Extended Range Males - 4 Pack	LAERM	\$23.00
<b>Polishing Protectors</b>		
MicroMiniplant™ Implant Polishing Protector	PPMM1	\$15.00
MicroMiniplant Conical Polishing Protector	PPMC1	\$15.00
Miniplant® Standard Implant Polishing Protector	PPIA3	\$15.00
STA® Polishing Protector	PPST5	\$14.00
Conical Polishing Protector	PPCA3	\$15.00
Standard Abutment Polishing Protector	PPSA3	\$15.00
Wide Diameter 5mm Implant Polishing Protector	WPP50	\$17.00
Wide Diameter 6mm Implant Polishing Protector	WPP60	\$17.00
Wide Diameter 6mm STA Polishing Protector	PPST6	\$14.00
Wide Diameter 6mm Conical Polishing Protector	WCPP6	\$14.50
<b>Waxing and Try-in Screws</b>		
Square Try-in Screw (5 Pack Only)	UNITS	\$50.00
MicroMiniplant™ Square Try-in Screw (5 Pack Only)	MUNITS	\$50.00
Abutment Waxing Screw/Guide Pin 10mm	WSK10	\$12.00
Abutment Waxing Screw/Guide Pin 15mm	WSK15	\$12.00
Implant Laboratory Screw	WSU30	\$14.00
<b>Mechanical Drivers</b>		
Restorative Instrumentation System	PSDK0	\$1,999.00
Contra-Angle Torque Driver Kit	CATD0	\$1,050.00
Contra-Angle Torque Driver Body	CATDB	\$317.00
Contra-Angle Torque Driver Handle	CATDH	\$22.00
Contra-Angle Torque Control 10Ncm	CATC1	\$166.50
Contra-Angle Torque Control 20Ncm	CATC2	\$166.50
Contra-Angle Torque Control 32Ncm	CATC3	\$166.50
Contra-Angle Direct Drive	CADD0	\$338.00
Direct Drive Handle Only	CADD1	\$81.00
Restorative Torque Indicator	RTI2035	\$255.00
Restorative Torque Indicator Kit	RTI2035K	\$395.00
Restorative Torque Indicator Tray	RTI2035TR	\$72.00
Abutment Driver Driver Tip 24mm	RASA3	\$42.00
Small Hex Driver Tip 24mm	RASH2N	\$42.00
Small Hex Driver Tip 30mm	RASH7N	\$42.00
Large Hex Driver Tip 24mm	RASH3N	\$42.00
Large Hex Driver Tip 30mm	RASH8N	\$42.00
Square Driver Tip 24mm	RASQ3N	\$42.00
Square Driver Tip 30mm	RASQ8N	\$42.00
O-Ring Driver Tip 24mm	RAOR1	\$42.00
Dal-Ro Driver Tip	RADR1	\$42.00
TG Post Driver Tip	TGPRA1	\$42.00
TG Hex Abutment Driver Tip	TGADR1	\$42.00

\*Use of square Gold-Tite™ Uniscrew recommended.  
 [ ] Packaged with a square Gold-tite Uniscrew.

# RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Mechanical Drivers (continued)</b>		
Gold Post™ Driver Tip	TGPDR1	\$42.00
Restorative System Delivery Tray	PSDT1	\$260.00
.050 Hex Driver Tip 24mm	RASH4	\$42.00
.050 Hex Driver Tip 30mm	RASH9	\$42.00
<b>Hand Drivers</b>		
Impression Coping Driver	ICD00	\$75.00
O-Ring Abutment Driver	PAD01	\$62.50
Dal-Ro Abutment Driver	PAD03	\$62.50
Posterior Abutment Driver 17mm	PAD00	\$105.00
Posterior Large Hex Driver 17mm	PHD02N	\$75.00
Posterior Small Hex Driver 17mm	PHD00N	\$75.00
Posterior Square Driver 17mm	PSQD0N	\$75.00
Standard Abutment Driver 24mm	PAD24	\$105.00
Standard Large Hex Driver 24mm	PHD03N	\$75.00
Standard Small Hex Driver 24mm	PHD01N	\$75.00
Standard Square Driver 24mm	PSQD1N	\$75.00
TG Post Driver	TGPD00	\$62.50
TG Hex Abutment Driver	TGAD00	\$80.00
Gold Post™ Driver	TGPD1	\$60.00
LOCATOR™ Core Tool/Abutment Driver	LCTDR1	\$56.00
<b>Laboratory Tools</b>		
MicroMinipiant™ Lab Abutment Holder 3.4mm (D)	LTAH5	\$42.00
Lab Abutment Holder for 4.1, 5.0 and 6.0mm (D) Platforms	LTAH7	\$42.00
Castable O-Ring System	OSOCA	\$40.00
Castable Dal-Ro System	DRCS1	\$40.00
Lapping Tool UCLA	LT150	\$27.00
Lapping Tool Standard Abutment	LT034	\$27.00
Lapping Tool UCLA Wide Diameter	WLT10	\$27.00
Reamer & Handle	RH600	\$32.00
Tube and Screw - 1.0mm diameter	TUS10	\$45.00
Tube and Screw - 1.2mm diameter	TUS12	\$45.00
Tube and Screw - 1.4mm diameter	TUS14	\$45.00
<b>Diagnostic Instrumentation</b>		
Fixing Pin - 1.0mm dia	FPN10	\$10.50
Fixing Pin - 1.2mm dia	FPN12	\$10.50
Fixing Pin - 1.4mm dia	FPN14	\$10.50
Prosthetic Angle Guide Kit	AG900	\$130.00
Tissue Measuring Post	TMP80	\$97.00
TG Post Try-In Kit	TGPTIK	\$115.00
<b>Specialty Components</b>		
Screw Removing Kit	SRT10	\$325.00
Screw Removal Tool - Tap	SRT01	\$75.00
Screw Removal Tool - 1.04mm Drill	SRT02	\$57.00

## RESTORATIVE PRODUCTS BY DESCRIPTION

	Catalog Number	Price Each
<b>Specialty Components (continued)</b>		
Screw Removal Tool - 1.18mm Drill	SRT03	\$57.00
Screw Removal Tool - Extracting Drill	SRT04	\$52.00
Screw Removal Tool - Guide Handle	SRT05	\$105.00
TG Post Universal Preparation Coping	TGPPC	\$10.00
Surgical Index Coping	IC100	\$72.00
Index Coping Drill Guide	IC106	\$21.00
Index Coping Drill	ID100	\$17.50
Tissue Punch for Miniplant/Standard Implants 4.1mm (D)	TP001	\$32.00
Tissue Punch for 5.0mm Implants	TP005	\$32.00
Tissue Punch for 6.0mm Implants	TP006	\$32.00
<b>Educational Materials</b>		
Patient Education Video - NTSC	VIDPE01	\$2.50
Patient Education Video - PAL	VIDPE02	\$2.50
Patient Education Video - Spanish - PAL	VIDPE - S01	\$2.50
Patient Education Video - Spanish - NTSC	VIDPE - S02	\$2.50
Modified Osteotome Sinus Craft and Chin Harvest - NTSC	VIDS6	\$30.00
Modified Osteotome Sinus Craft and Chin Harvest - PAL	VIDS7	\$30.00
"Dental Implants: Are They for Me?"	BKM01	\$31.00
"Surgical and Prosthetic Approach to Osseointegration with the 3i Implant System"	BKS03	\$108.00
"Implant Surgery & Prosthesis"	BKSP1	\$128.00
Patient Education Brochures - Pack of 25	ART693	\$5.00
Patient Education Flip Chart	ART782	\$55.00
Patient Education Stands	ART795	\$8.00
<b>3X Patient Demonstration Models</b>		
3X Model of 4.0mm UCLA Abutment and Screw	UCLAMOD4	\$20.00
3X Model of 5.0mm UCLA Abutment and Screw	UCLAMOD5	\$20.00
3X Model of Square Gold-Tite™ UniScrew	UNISGMOD	\$10.00
3X Model of 5.0mm GingiHue™ Post	WPPGMOD1	\$20.00
Square Driver for 3X Abutment Screw	MODWRENCH	\$10.00



# Surgical Products

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**Products Listed By Code Number**



# SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
800-0100	Platelet Concentrate Collection System™ (1-single use disposable set)	\$245.00
7426	Platelet Concentrate Collection Centrifuge System 120 Volt 50-60 Hz	\$4,250.00
7427	Platelet Concentrate Collection Centrifuge System 240 Volt 50-60 Hz	\$4,250.00
2100-0001	Biogran® 750mg Glass Syringe 2-Pack	\$141.00
2100-0002	Biogran 750mg Glass Syringe 7-Pack	\$463.00
2100-0003	Biogran 500mg Mixing Cup 7-Pack	\$317.00
2100-0004	Biogran 750mg Mixing Cup 7-Pack	\$426.00
2100-0005	Biogran 1500mg Mixing Cup 7-Pack	\$572.00
ATC05	Autogenous Tissue Collector, 5-Pack	\$64.50
BIO2P	BioTack™ Two Pack	\$26.00
BIO3P	BioTack Three Pack	\$40.00
BIOAD	BioTack Angled Driver	\$157.00
BIOD1	BioTack Drill	\$56.00
BIOIS	BioTack Instrumentation System	\$752.00
BIOIT	BioTack Instrumentation Tray	\$298.00
BIOSD	BioTack Straight Driver	\$146.00
BP340	MicroMiniplant™ Bone Profiler - 3.4mm dia/4mm Flare	\$101.00
BP450	Miniplant®/Standard Bone Profiler - 4.1mm dia/5mm Flare	\$101.00
BP460	Miniplant/Standard Bone Profiler - 4.1mm dia/6mm Flare	\$101.00
BP475	Miniplant/Standard Bone Profiler - 4.1mm dia/7.5mm Flare	\$101.00
BP550	Wide Diameter Bone Profiler 5mm dia/5mm Flare	\$101.00
BP560	Wide Diameter Bone Profiler 5mm dia/6mm Flare	\$101.00
BP575	Wide Diameter Bone Profiler 5mm dia/7.5mm Flare	\$101.00
BP660	Wide Diameter Bone Profiler 6mm dia/6mm Flare	\$101.00
BP675	Wide Diameter Bone Profiler 6mm dia/7.5mm Flare	\$101.00
BPAKT	Wide Diameter Bone Profiler Kit - 5.0/6.0mm Implants	\$438.00
BPAKTB	Organizer Box for Wide Diameter Bone Profiler Kit	\$42.00
BPKIT	Standard Diameter Bone Profiler Kit	\$268.00
BPKITB	Organizer Box for Standard Diameter Bone Profiler Kit	\$41.00
CD100	Countersink Drill for Miniplant/Standard Diameter Threaded and Cylinder Implants	\$99.00
CD4500	Countersink Drill for 4/5mm Expanded Platform OSSEOTITE® Implant	\$127.00
CD500	Pilot/Countersink Drill for Wide Diameter Threaded Implants - 5.0mm	\$127.00
CD5600	Countersink Drill for 5/6mm Expanded Platform OSSEOTITE Implant	\$127.00
CD600	Pilot/Countersink Drill for Wide Diameter Threaded Implants - 6.0mm	\$127.00
CS275	Headless Cover Screw	\$39.00
CS375	Implant Cover Screw	\$51.50
CS500	Implant Cover Screw for 5.0mm Top	\$51.50
CS600	Implant Cover Screw for 6.0mm Top	\$51.50
CSI10	Miniplant/Standard Diameter Cover Screw Inserter	\$101.00
CSI50	Wide Diameter 5.0mm Cover Screw Inserter	\$101.00
CSI60	Wide Diameter 6.0mm Cover Screw Inserter	\$101.00
CW100	Open End Wrench	\$101.00
DI2310	Direction Indicator - 2.3mm x 10mm	\$19.00
DI2315	Direction Indicator - 2.3mm x 15mm	\$21.00
DC100	Countersink Drill	\$23.75
DC500	Pilot/Countersink Drill for Wide Diameter Threaded Implants - 5.0mm	\$24.75
DC600	Pilot/Countersink Drill for Wide Diameter Threaded Implants - 6.0mm	\$24.75

\*Use of square Gold-Tite™ Uniscrew recommended.  
 (!) Packaged with a square Gold-tite Uniscrew.

# SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
DDK210	3-Pack Single Patient Use Drill Kit for Implants - 10mm	\$29.00
DDK215	3-Pack Single Patient Use Drill Kit for Implants - 15mm	\$29.00
DDK220	3-Pack Single Patient Use Drill Kit for Implants - 20mm	\$29.00
DDK2710	5-Pack Single Patient Use Drill Kit for OSSEOTITE XP™ 3/4 and Miniplants	\$62.00
DDK2715	5-Pack Single Patient Use Drill Kit for OSSEOTITE XP 3/4 and Miniplants	\$62.00
DDK2720	5-Pack Single Patient Use Drill Kit for OSSEOTITE XP 3/4 and Miniplants	\$62.00
DDK310	5-Pack Single Patient Use Drill Kit for Miniplants® and Standard Diameter Implants	\$62.00
DDK315	5-Pack Single Patient Use Drill Kit for Miniplants and Standard Diameter Implants	\$62.00
DDK320	5-Pack Single Patient Use Drill Kit for Miniplants and Standard Diameter Implants -	\$62.00
DDK3210	5-Pack Single Patient Use Drill Kit for Standard Diameter Implants	\$62.00
DDK3215	5-Pack Single Patient Use Drill Kit for Standard Diameter Implants	\$62.00
DDK3220	5-Pack Single Patient Use Drill Kit for Standard Diameter Implants	\$62.00
DE016	Drill Extension	\$42.00
DKTG10	3-Pack Single Patient Use Drill Kit for TG OSSEOTITE® Implants - 10mm	\$29.00
DKTG15	3-Pack Single Patient Use Drill Kit for TG OSSEOTITE Implants - 15mm	\$29.00
DP020	Implant Depth Probe	\$116.00
DP100	Pilot Drill	\$18.75
DPS100	Pilot Shaping Drill 2/3mm for TG OSSEOTITE® Implants	\$18.00
DR100	Round Drill	\$18.75
DS2310	Drill Stop - 2/3.25mm x 10mm	\$6.25
DS2315	Drill Stop - 2/3.25mm x 15mm	\$6.25
DS2320	Drill Stop - 2/3.25mm x 20mm	\$6.25
DS4513	Drill Stop - 4.25/5.25mm x 13mm	\$6.25
DS4518	Drill Stop - 4.25/5.25mm x 18mm	\$6.25
DS458	Drill Stop - 4.25/5.25mm x 8.5mm	\$6.25
DSB100	Drill Stop Block	\$45.00
DT210	Twist Drill - 2.3mm x 10mm	\$17.50
DT215	Twist Drill - 2.3mm x 15mm	\$17.50
DT220	Twist Drill - 2.3mm x 20mm	\$18.75
DT2710	Twist Drill - 2.75mm x 10mm	\$17.50
DT2715	Twist Drill - 2.75mm x 15mm	\$17.50
DT2720	Twist Drill - 2.75mm x 20mm	\$18.75
DT310	Twist Drill - 3.0mm x 10mm	\$17.50
DT3110	Twist Drill - 3.15mm x 10mm	\$17.50
DT3115	Twist Drill - 3.15mm x 15mm	\$17.50
DT3120	Twist Drill - 3.15mm x 20mm	\$18.75
DT315	Twist Drill - 3.0mm x 15mm	\$17.50
DT320	Twist Drill - 3.0mm x 20mm	\$18.75
DT3210	Twist Drill - 3.25mm x 10mm	\$17.50
DT3215	Twist Drill - 3.25mm x 15mm	\$17.50
DT3220	Twist Drill - 3.25mm x 20mm	\$18.75
DT4218	Twist Drill - 4.25mm x 18mm	\$18.75
DT423	Twist Drill - 4.25mm x 13mm	\$17.50
DT428	Twist Drill - 4.25mm x 8.5mm	\$17.50
DT5218	Twist Drill - 5.25mm x 18mm	\$18.75
DT523	Twist Drill - 5.25mm x 13mm	\$17.50
DT528	Twist Drill - 5.25mm x 8.5mm	\$17.50

## SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
DU300	Surgical Drilling Unit	\$6,025.00
IC015	Miniplant®, Standard, Wide Diameter Mount, 15mmL	\$109.00
IC100	Surgical Index Coping Assembly	\$72.00
IC106	Index Coping Drill Guide	\$21.00
ICE310	Standard Diameter Implant - 3.75 x 10mm ICE® Super Self-Tapping	\$232.00
ICE311	Standard Diameter Implant - 3.75 x 11.5mm ICE Super Self-Tapping	\$232.00
ICE313	Standard Diameter Implant - 3.75 x 13mm ICE Super Self-Tapping	\$232.00
ICE315	Standard Diameter Implant - 3.75 x 15mm ICE Super Self-Tapping	\$232.00
ICE318	Standard Diameter Implant - 3.75 x 18mm ICE Super Self-Tapping	\$232.00
ICE320	Standard Diameter Implant - 3.75 x 20mm ICE Super Self-Tapping	\$232.00
ICE385	Standard Diameter Implant - 3.75 x 8.5mm ICE Super Self-Tapping	\$232.00
ICE410	Standard Diameter Implant - 4.0 x 10mm ICE Super Self-Tapping	\$232.00
ICE411	Standard Diameter Implant - 4.0 x 11.5mm ICE Super Self-Tapping	\$232.00
ICE413	Standard Diameter Implant - 4.0 x 13mm ICE Super Self-Tapping	\$232.00
ICE415	Standard Diameter Implant - 4.0 x 15mm ICE Super Self-Tapping	\$232.00
ICE418	Standard Diameter Implant - 4.0 x 18mm ICE Super Self-Tapping	\$232.00
ICE420	Standard Diameter Implant - 4.0 x 20mm ICE Super Self-Tapping	\$232.00
ICE485	Standard Diameter Implant - 4.0 x 8.5mm ICE Super Self-Tapping	\$232.00
ICE507	Wide Diameter Implant - 5.0 x 7mm ICE Super Self-Tapping	\$258.00
ICE510	Wide Diameter Implant - 5.0 x 10mm ICE Super Self-Tapping	\$258.00
ICE511	Wide Diameter Implant - 5.0 x 11.5mm ICE Super Self-Tapping	\$258.00
ICE513	Wide Diameter Implant - 5.0 x 13mm ICE Super Self-Tapping	\$258.00
ICE515	Wide Diameter Implant - 5.0 x 15mm ICE Super Self-Tapping	\$258.00
ICE518	Wide Diameter Implant - 5.0 x 18mm ICE Super Self-Tapping	\$258.00
ICE585	Wide Diameter Implant - 5.0 x 8.5mm ICE Super Self-Tapping	\$258.00
ICE607	Wide Diameter 6.0mm x 7mm ICE Super Self-Tapping	\$258.00
ICE610	Wide Diameter 6.0mm x 10mm ICE Super Self-Tapping	\$258.00
ICE611	Wide Diameter 6.0mm x 11.5mm ICE Super Self-Tapping	\$258.00
ICE613	Wide Diameter 6.0mm x 13mm ICE Super Self-Tapping	\$258.00
ICE615	Wide Diameter 6.0mm x 15mm ICE Super Self-Tapping	\$258.00
ICE618	Wide Diameter 6.0mm x 18mm ICE Super Self-Tapping	\$258.00
ICE685	Wide Diameter 6.0mm x 8.5mm ICE Super Self-Tapping	\$258.00
ID100	Index Coping Drill	\$17.50
IDG30	Cylinder Implant Depth Gauge - 3.3mm	\$41.00
IDG40	Cylinder Implant Depth Gauge - 4.0mm	\$53.00
IDG50	Cylinder Implant Depth Gauge - 5.0mm	\$53.00
IDG60	Cylinder Implant Depth Gauge - 6.0mm	\$53.00
ISI10	Implant Seating Instrument - Anterior	\$72.00
ISI15	Implant Seating Instrument - Posterior	\$72.00
ITD210	Tri-Spade Twist Drill - 2.00mm x 10mm (Internally Irrigated)	\$101.00
ITD215	Tri-Spade Twist Drill - 2.00mm x 15mm (Internally Irrigated)	\$101.00
ITD220	Tri-Spade Twist Drill - 2.00mm x 20mm (Internally Irrigated)	\$101.00
ITD2710	Tri-Spade Twist Drill - 2.75mm x 10mm (Internally Irrigated)	\$101.00
ITD2715	Tri-Spade Twist Drill - 2.75mm x 15mm (Internally Irrigated)	\$101.00
ITD2720	Tri-Spade Twist Drill - 2.75mm x 20mm (Internally Irrigated)	\$101.00
ITD310	Tri-Spade Twist Drill - 3.0mm x 10mm (Internally Irrigated)	\$101.00

# **SURGICAL PRODUCTS BY PRODUCT CODE**

<b>Catalog Number</b>	<b>Description</b>	<b>Price Each</b>
ITD3110	Tri-Spade Twist Drill - 3.15mm x 10mm (Internally Irrigated)	\$101.00
ITD3115	Tri-Spade Twist Drill - 3.15mm x 15mm (Internally Irrigated)	\$101.00
ITD3120	Tri-Spade Twist Drill - 3.15mm x 20mm (Internally Irrigated)	\$101.00
ITD315	Tri-Spade Twist Drill - 3.0mm x 15mm (Internally Irrigated)	\$101.00
ITD320	Tri-Spade Twist Drill - 3.0mm x 20mm (Internally Irrigated)	\$101.00
ITD3210	Tri-Spade Twist Drill - 3.25mm x 10mm (Internally Irrigated)	\$101.00
ITD3215	Tri-Spade Twist Drill - 3.25mm x 15mm (Internally Irrigated)	\$101.00
ITD3220	Tri-Spade Twist Drill - 3.25mm x 20mm (Internally Irrigated)	\$101.00
ITD4218	Tri-Spade Twist Drill - 4.25mm x 18mm (Internally Irrigated)	\$127.00
ITD423	Tri-Spade Twist Drill - 4.25mm x 13mm (Internally Irrigated)	\$127.00
ITD428	Tri-Spade Twist Drill - 4.25mm x 8.5mm (Internally Irrigated)	\$127.00
ITD5218	Tri-Spade Twist Drill - 5.25mm x 18mm (Internally Irrigated)	\$127.00
ITD523	Tri-Spade Twist Drill - 5.25mm x 13mm (Internally Irrigated)	\$127.00
ITD528	Tri-Spade Twist Drill - 5.25mm x 8.5mm (Internally Irrigated)	\$127.00
MALL1	Mallet	\$51.00
MDR10	Hand-Piece Connector	\$109.00
MDR10H	TG Ratchet Adapter	\$109.00
ME100	Single End Membrane Elevator	\$53.00
ME200	Double End Membrane Elevator - Medium	\$72.00
ME300	Double End Membrane Elevator - Large	\$72.00
MH310	Miniplant® - 3.25 x 10mm ICE® Super Self-Tapping	\$232.00
MH311	Miniplant - 3.25 x 11.5mm ICE Super Self-Tapping	\$232.00
MH313	Miniplant - 3.25 x 13mm ICE Super Self-Tapping	\$232.00
MH315	Miniplant - 3.25 x 15mm ICE Super Self-Tapping	\$232.00
MH385	Miniplant - 3.25 x 8.5mm ICE Super Self-Tapping	\$232.00
MHA32	MicroMiniplant™ 3.8 x 2mm EP® One-Piece Healing Abutment	\$39.25
MHA34	MicroMiniplant 3.8 x 4mm EP One-Piece Healing Abutment	\$39.25
MHA36	MicroMiniplant 3.8 x 6mm EP One-Piece Healing Abutment	\$39.25
MM310	MicroMiniplant - 3.25 x 10mm ICE Super Self-Tapping	\$232.00
MM311	MicroMiniplant - 3.25 x 11.5mm ICE Super Self-Tapping	\$232.00
MM313	MicroMiniplant - 3.25 x 13mm ICE Super Self-Tapping	\$232.00
MM315	MicroMiniplant - 3.25 x 15mm ICE Super Self-Tapping	\$232.00
MM318	MicroMiniplant - 3.25 x 18mm ICE Super Self-Tapping	\$232.00
MM385	MicroMiniplant - 3.25 x 8.5mm ICE Super Self-Tapping	\$232.00
MMC03	MicroMiniplant Mount - 3mm	\$109.00
MMC15	MicroMiniplant Mount - 15mm	\$109.00
MMCS1	MicroMiniplant Cover Screw	\$35.00
MMKIT	MicroMiniplant Mount Kit	\$348.00
MODELBASE	Implant Model Base - For One Implant	\$0.00
MT234	MicroMiniplant 3.8 x 4mm EP Two-Piece Healing Abutment	\$42.00
MT236	MicroMiniplant 3.8 x 6mm EP Two-Piece Healing Abutment	\$42.00
MT254	MicroMiniplant 5.0 x 4mm EP Two-Piece Healing Abutment	\$42.00
MT256	MicroMiniplant 5.0 x 6mm EP Two-Piece Healing Abutment	\$42.00
MTAP1	MicroMiniplant™/Miniplant® Bone Tap - Short	\$101.00
MTAP2	MicroMiniplant™/Miniplant® Bone Tap - Long	\$101.00
OFDR3	OsseoFix® Drill 3mm	\$57.50
OFDR4	OsseoFix Drill 4mm	\$57.50
OFDR8	OsseoFix Drill 8mm	\$57.50

# SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
OFKAC	OsseoFix Select Autoclave Case	\$164.00
OFKBC1	OsseoFix Microplate Bender/Cutter	\$142.50
OFKIT2	OsseoFix Guided Bone Regeneration System	\$2,736.00
OFKT1	OsseoFix System Organizer Tray	\$320.50
OFKT2	OsseoFix Select System Tray	\$218.50
OFLD9	OsseoFix Drill - Lag 9mm	\$58.00
OFLDQ1	OsseoFix Squaredrive Long Screwdriver	\$171.00
OFMS0	Membrane Stabilizer/Punch Single Point	\$47.00
OFMS1	Membrane Stabilizer Double Point	\$147.00
OFPO1	OsseoFix Microplate - Single Row	\$52.00
OFPO3	OsseoFix Microplate - Three Row	\$98.00
OFPDQ1	OsseoFix Squaredrive Posterior Screwdriver	\$108.00
OFRAQ1	OsseoFix Squaredrive Right Angle	\$85.50
OFRD1	OsseoFix 1mm Round Drill	\$26.00
OFSKT	OsseoFix Select Membrane Stabilizing System	\$899.00
OFSQ110	OsseoFix Square Drive Screw 5pk 1mm x 10mmL	\$116.50
OFSQ112	OsseoFix Square Drive Screw 5pk 1mm x 12mmL	\$116.50
OFSQ13	OsseoFix Square Drive Screw 5pk 1mm x 3mmL	\$116.50
OFSQ14	OsseoFix Square Drive Screw 5pk 1mm x 4mmL	\$116.50
OFSQ16	OsseoFix Square Drive Screw 5pk 1mm x 6mmL	\$116.50
OFSQ18	OsseoFix Square Drive Screw 5pk 1mm x 8mmL	\$116.50
OFSQW10	OsseoFix Square Drive Screw 5pk 1.2mm x 10mmL	\$116.50
OFSQW12	OsseoFix Square Drive Screw 5pk 1.2mm x 12mmL	\$116.50
OFSQW3	OsseoFix Square Drive Screw 5pk 1.2mm x 3mmL	\$116.50
OFSQW4	OsseoFix Square Drive Screw 5pk 1.2mm x 4mmL	\$116.50
OFSQW6	OsseoFix Square Drive Screw 5pk 1.2mm x 6mmL	\$116.50
OFSQW8	OsseoFix Square Drive Screw 5pk 1.2mm x 8mmL	\$116.50
OS3210	3/4 OSSEOTITE XP™ Miniplant® - 3.25mm Body / 4.1mm Top x 10mm	\$260.00
OS3211	3/4 OSSEOTITE XP Miniplant - 3.25mm Body / 4.1mm Top x 11.5mm	\$260.00
OS3213	3/4 OSSEOTITE XP Miniplant - 3.25mm Body / 4.1mm Top x 13mm	\$260.00
OS3215	3/4 OSSEOTITE XP Miniplant - 3.25mm Body / 4.1mm Top x 15mm	\$260.00
OS3218	3/4 OSSEOTITE XP Miniplant - 3.25mm Body / 4.1mm Top x 18mm	\$260.00
OS3285	3/4 OSSEOTITE XP Miniplant - 3.25mm Body / 4.1mm Top x 8.5mm	\$260.00
OS4510	4/5 OSSEOTITE XP Implant - 4mm Body/5mm Top x 10mm	\$275.00
OS4511	4/5 OSSEOTITE XP Implant - 4mm Body/5mm Top x 11.5mm	\$275.00
OS4513	4/5 OSSEOTITE XP Implant - 4mm Body/5mm Top x 13mm	\$275.00
OS4515	4/5 OSSEOTITE XP Implant - 4mm Body/5mm Top x 15mm	\$275.00
OS4585	4/5 OSSEOTITE XP Implant - 4mm Body/5mm Top x 8.5mm	\$275.00
OS5610	5/6 OSSEOTITE XP Implant - 5mm Body/6mm Top x 10mm	\$275.00
OS5611	5/6 OSSEOTITE XP Implant - 5mm Body/6mm Top x 11.5mm	\$275.00
OS5613	5/6 OSSEOTITE XP Implant - 5mm Body/6mm Top x 13mm	\$275.00
OS5615	5/6 OSSEOTITE XP Implant - 5mm Body/6mm Top x 15mm	\$275.00
OS5685	5/6 OSSEOTITE XP Implant - 5mm Body/6mm Top x 8.5mm	\$275.00
OSM310	MicroMiniplant™ - 3.25 x 10mm OSSEOTITE®	\$260.00
OSM311	MicroMiniplant - 3.25 x 11.5mm OSSEOTITE	\$260.00
OSM313	MicroMiniplant - 3.25 x 13mm OSSEOTITE	\$260.00
OSM315	MicroMiniplant - 3.25 x 15mm OSSEOTITE	\$260.00

\*Use of square Gold-Tite™ Unscrew recommended.  
 [1] Packaged with a square Gold-Tite Unscrew.

# SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
OSM318	MicroMiniplant - 3.25 x 18mm OSSEOTITE	\$260.00
OSM385	MicroMiniplant - 3.25 x 8.5mm OSSEOTITE	\$260.00
OSS310	Standard Diameter Implant - 3.75 x 10mm OSSEOTITE	\$260.00
OSS311	Standard Diameter Implant - 3.75 x 11.5mm OSSEOTITE	\$260.00
OSS313	Standard Diameter Implant - 3.75 x 13mm OSSEOTITE	\$260.00
OSS315	Standard Diameter Implant - 3.75 x 15mm OSSEOTITE	\$260.00
OSS318	Standard Diameter Implant - 3.75 x 18mm OSSEOTITE	\$260.00
OSS320	Standard Diameter Implant - 3.75 x 20mm OSSEOTITE®	\$260.00
OSS385	Standard Diameter Implant - 3.75 x 8.5mm OSSEOTITE	\$260.00
OSS410	Standard Diameter Implant - 4.0 x 10mm OSSEOTITE	\$260.00
OSS411	Standard Diameter Implant - 4.0 x 11.5mm OSSEOTITE	\$260.00
OSS413	Standard Diameter Implant - 4.0 x 13mm OSSEOTITE	\$260.00
OSS415	Standard Diameter Implant - 4.0 x 15mm OSSEOTITE	\$260.00
OSS418	Standard Diameter Implant - 4.0 x 18mm OSSEOTITE	\$260.00
OSS420	Standard Diameter Implant - 4.0 x 20mm OSSEOTITE	\$260.00
OSS485	Standard Diameter Implant - 4.0 x 8.5mm OSSEOTITE	\$260.00
OSS507	Wide Diameter Implant - 5.0 x 7mm OSSEOTITE	\$275.00
OSS510	Wide Diameter Implant - 5.0 x 10mm OSSEOTITE	\$275.00
OSS511	Wide Diameter Implant - 5.0 x 11.5mm OSSEOTITE	\$275.00
OSS513	Wide Diameter Implant - 5.0 x 13mm OSSEOTITE	\$275.00
OSS515	Wide Diameter Implant - 5.0 x 15mm OSSEOTITE	\$275.00
OSS518	Wide Diameter Implant - 5.0 x 18mm OSSEOTITE	\$275.00
OSS585	Wide Diameter Implant - 5.0 x 8.5mm OSSEOTITE	\$275.00
OSS607	Wide Diameter 6.0mm x 7mm OSSEOTITE	\$275.00
OSS610	Wide Diameter 6.0mm x 10mm OSSEOTITE	\$275.00
OSS611	Wide Diameter 6.0mm x 11.5mm OSSEOTITE	\$275.00
OSS613	Wide Diameter 6.0mm x 13mm OSSEOTITE	\$275.00
OSS615	Wide Diameter 6.0mm x 15mm OSSEOTITE	\$275.00
OSS618	Wide Diameter 6.0mm x 18mm OSSEOTITE	\$275.00
OSS685	Wide Diameter 6.0mm x 8.5mm OSSEOTITE	\$275.00
OSSMOD1	OSSEOTITE Implant 4.0mm x 13.0mm, 3X Model	\$40.00
OST00	Summers Osteotome Kit, 1-4	\$462.00
OST01	Summers Osteotome - #1	\$104.00
OST02	Summers Osteotome - #2	\$104.00
OST03	Summers Osteotome - #3	\$104.00
OST04	Summers Osteotome - #4	\$104.00
OST05	Osteotome for 5mm Wide Implants	\$104.00
OST10	Summers Osteotome Kit, 1-5	\$515.00
OST20	Summers Osteotome Kit, 1-FS	\$573.00
OSTFS	Osteotome for Future Site	\$104.00
OSTTR	Osteotome Kit Tray Only	\$109.00
OSX2530	OSSIX™ 6-Month Resorbable Collagen GBR Membrane 25x 30mm	\$110.00
PD100	Pilot Drill 2mm - 3mm	\$99.00
PD500	Pilot Drill for Wide Diameter Cylinder Implants - 5.0mm	\$123.00
PD600	Pilot Drill for Wide Diameter Cylinder Implants - 6.0mm	\$127.00
PMKIT	Pre-Angled Surgical Guide Kit	\$330.00
PSD100	Pilot Shaping Drill 2/3mm for TG OSSEOTITE® Implants	\$101.00

## SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
PSKT10	Basic Plastic Surgical Kit for Threaded Implants	\$1,540.00
PSKT20	Standard Plastic Surgical Kit for Threaded Implants	\$3,495.00
PSKT30	Premium Plastic Surgical Kit for Threaded Implants	\$5,040.00
PTT100	Plastic Organizer Tray	\$232.00
PTT300	Plastic Surgical Tray	\$587.00
QBM001	Quetin Bone-Mill, Stainless Steel	\$2,434.00
RD100	Round Drill	\$36.00
RE100	Ratchet Extension - 6mm	\$79.00
RE200	Ratchet Extension - 15mm	\$91.00
RMB30	Radiographic Marking Balls - 30 Pack	\$20.00
SEKT1	Sinus Elevation Kit	\$523.00
SEKTR	Sinus Elevation Kit Tray Only	\$155.00
SGT25	Stent Guide Tubes - 25 Pack	\$30.00
SKT20	Standard Surgical Kit for Threaded Implants	\$2,950.00
SKT22	Surgical Kit for 5.0/6.0mm Wide Diameter Threaded Implants	\$1,710.00
SKT23	Surgical Kit for 3.3/4.0/4.25mm Cylinder Implants	\$615.00
SKT24	Surgical Kit for 5.0/6.0mm Wide Diameter Cylinder Implants	\$867.00
SKT25	Standard Surgical Kit for Cylinder Implants	\$2,839.00
SKT25A	Standard Surgical Kit for Cylinder Implants without Drills	\$1,660.00
ST310	Standard Diameter Implant - 3.75 x 10mm ST Self-Tapping Threaded	\$201.00
ST311	Standard Diameter Implant - 3.75 x 11.5mm ST Self-Tapping Threaded	\$201.00
ST313	Standard Diameter Implant - 3.75 x 13mm ST Self-Tapping Threaded	\$201.00
ST315	Standard Diameter Implant - 3.75 x 15mm ST Self-Tapping Threaded	\$201.00
ST318	Standard Diameter Implant - 3.75 x 18mm ST Self-Tapping Threaded	\$201.00
ST320	Standard Diameter Implant - 3.75 x 20mm ST Self-Tapping Threaded	\$201.00
ST385	Standard Diameter Implant - 3.75 x 8.5mm ST Self-Tapping Threaded	\$201.00
ST410	Standard Diameter Implant - 4.0 x 10mm ST Self-Tapping Threaded	\$201.00
ST411	Standard Diameter Implant - 4.0 x 11.5mm ST Self-Tapping Threaded	\$201.00
ST413	Standard Diameter Implant - 4.0 x 13mm ST Self-Tapping Threaded	\$201.00
ST415	Standard Diameter Implant - 4.0 x 15mm ST Self-Tapping Threaded	\$201.00
ST418	Standard Diameter Implant - 4.0 x 18mm ST Self-Tapping Threaded	\$201.00
ST420	Standard Diameter Implant - 4.0 x 20mm ST Self-Tapping Threaded	\$201.00
ST485	Standard Diameter Implant - 4.0 x 8.5mm ST Self-Tapping Threaded	\$201.00
TAP10	Standard Diameter Bone Tap - 10mm	\$101.00
TAP13	Standard Diameter Bone Tap - 13mm	\$101.00
TAP20	Standard Diameter Bone Tap - 20mm	\$101.00
TAP410	Bone Tap - 4.0mm Diameter x 10mm	\$101.00
TAP413	Bone Tap - 4.0mm Diameter x 13mm	\$101.00
TAP420	Bone Tap - 4.0mm Diameter x 20mm	\$101.00
TAP518S	Wide Diameter Bone Tap - 5.0mm x 18mm	\$127.00
TAP53S	Wide Diameter Bone Tap - 5.0mm x 13mm	\$127.00
TAP58S	Wide Diameter Bone Tap - 5.0mm x 8.5mm	\$127.00
TAP618S	Wide Diameter Bone Tap - 6.0mm x 18mm	\$127.00
TAP63S	Wide Diameter Bone Tap - 6.0mm x 13mm	\$127.00
TAP68S	Wide Diameter Bone Tap - 6.0mm x 8.5mm	\$127.00
TC012	Titanium Curette 11/12 Gracey Configuration	\$44.00
TC034	Titanium Curette 13/14 Gracey Configuration	\$44.00



# SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
TC078	Titanium Curette 7/8 Gracey Configuration	\$44.00
TCB33	Tri-Flute Cylinder Bur - 3.3mm x 13mm	\$101.00
TCB38	Tri-Flute Cylinder Bur - 3.3mm x 18mm	\$101.00
TCB43	Tri-Flute Cylinder Bur - 4.0mm x 13mm	\$101.00
TCB48	Tri-Flute Cylinder Bur - 4.0mm x 18mm	\$101.00
TCB53	Tri-Flute Cylinder Bur - 5.0mm x 13mm	\$129.00
TCB58	Tri-Flute Cylinder Bur - 5.0mm x 8.5mm	\$129.00
TCB63	Tri-Flute Cylinder Bur - 6.0mm x 13mm	\$129.00
TCB68	Tri-Flute Cylinder Bur - 6.0mm x 8.5mm	\$129.00
TCKIT	Titanium Curette Kit	\$89.00
TD210	Twist Drill - 2.3mm x 10mm	\$96.00
TD215	Twist Drill - 2.3mm x 15mm	\$96.00
TD220	Twist Drill - 2.3mm x 20mm	\$96.00
TD310	Twist Drill - 3.0mm x 10mm	\$96.00
TD3110	Twist Drill - 3.15mm x 10mm	\$96.00
TD3115	Twist Drill - 3.15mm x 15mm	\$96.00
TD3120	Twist Drill - 3.15mm x 20mm	\$96.00
TD315	Twist Drill - 3.0mm x 15mm	\$96.00
TD320	Twist Drill - 3.0mm x 20mm	\$96.00
TD3210	Twist Drill - 3.25mm x 10mm	\$96.00
TD3215	Twist Drill - 3.25mm x 15mm	\$96.00
TD3220	Twist Drill - 3.25mm x 20mm	\$96.00
TE003	Titanium Elevator	\$147.00
TF002	Titanium Forceps	\$140.00
TG2310	TG OSSEOTITE® 3.25mm x 10mm - 1.8 collar height	\$255.00
TG2311	TG OSSEOTITE 3.25mm x 11.5mm - 1.8 collar height	\$255.00
TG2313	TG OSSEOTITE 3.25mm x 13mm - 1.8 collar height	\$255.00
TG2315	TG OSSEOTITE 3.25mm x 15mm - 1.8 collar height	\$255.00
TG2385	TG OSSEOTITE 3.25mm x 8.5mm - 1.8 collar height	\$255.00
TG2410	TG OSSEOTITE 4mm x 10mm - 1.8 collar height	\$255.00
TG2411	TG OSSEOTITE 4mm x 11.5mm - 1.8 collar height	\$255.00
TG2413	TG OSSEOTITE 4mm x 13mm - 1.8 collar height	\$255.00
TG2415	TG OSSEOTITE 4mm x 15mm - 1.8 collar height	\$255.00
TG2485	TG OSSEOTITE 4mm x 8.5mm - 1.8 collar height	\$255.00
TG2510	TG OSSEOTITE 5mm x 10mm - 1.8 collar height	\$270.00
TG2511	TG OSSEOTITE 5mm x 11.5mm - 1.8 collar height	\$270.00
TG2513	TG OSSEOTITE 5mm x 13mm - 1.8 collar height	\$270.00
TG2515	TG OSSEOTITE 5mm x 15mm - 1.8 collar height	\$270.00
TG2585	TG OSSEOTITE 5mm x 8.5mm - 1.8 collar height	\$270.00
TG3310	TG OSSEOTITE 3.25mm x 10mm - 2.8 collar height	\$255.00
TG3311	TG OSSEOTITE 3.25mm x 11.5mm - 2.8 collar height	\$255.00
TG3313	TG OSSEOTITE 3.25mm x 13mm - 2.8 collar height	\$255.00
TG3315	TG OSSEOTITE 3.25mm x 15mm - 2.8 collar height	\$255.00
TG3385	TG OSSEOTITE 3.25mm x 8.5mm - 2.8 collar height	\$255.00
TG3410	TG OSSEOTITE 4mm x 10mm - 2.8 collar height	\$255.00
TG3411	TG OSSEOTITE 4mm x 11.5mm - 2.8 collar height	\$255.00
TG3413	TG OSSEOTITE® 4mm x 13mm - 2.8 collar height	\$255.00

## SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
TG3415	TG OSSEOTITE 4mm x 15mm - 2.8 collar height	\$255.00
TG3485	TG OSSEOTITE 4mm x 8.5mm - 2.8 collar height	\$255.00
TG3510	TG OSSEOTITE 5mm x 10mm - 2.8 collar height	\$270.00
TG3511	TG OSSEOTITE 5mm x 11.5mm - 2.8 collar height	\$270.00
TG3513	TG OSSEOTITE 5mm x 13mm - 2.8 collar height	\$270.00
TG3515	TG OSSEOTITE 5mm x 15mm - 2.8 collar height	\$270.00
TG3585	TG OSSEOTITE 5mm x 8.5mm - 2.8 collar height	\$270.00
TGCS05	TG Cover Screw - 0.5mm	\$26.00
TGCS10	TG Cover Screw - 1mm	\$31.00
TGCS20	TG Cover Screw - 2mm	\$43.00
TGCS30	TG Cover Screw - 3mm	\$43.00
TGCS40	TG Cover Screw - 4mm	\$43.00
TGCS50	TG Cover Screw - 5mm	\$43.00
TGKIT	TG OSSEOTITE Placement Kit	\$1,545.00
TGKITC	TG OSSEOTITE Conversion Kit	\$325.00
TGMOD1	TG OSSEOTITE Implant 2.8mm Collar, 4.0mm x 13.0mm with post, 3X Model	\$40.00
TGPRM	TG OSSEOTITE Positive Reversal Mount	\$54.00
TH253	Miniplant®/Standard Diameter 5.0 x 3mm EP® Two-Piece Healing Abutment	\$39.25
TH254	Miniplant/Standard Diameter 5.0 x 4mm EP Two-Piece Healing Abutment	\$39.25
TH256	Miniplant/Standard Diameter 5.0 x 6mm EP Two-Piece Healing Abutment	\$39.25
TH258	Miniplant/Standard Diameter 5.0 x 8mm EP Two-Piece Healing Abutment	\$39.25
TH263	Miniplant/Standard Diameter 6.0 x 3mm EP Two-Piece Healing Abutment	\$47.50
TH264	Miniplant/Standard Diameter 6.0 x 4mm EP Two-Piece Healing Abutment	\$47.50
TH266	Miniplant/Standard Diameter 6.0 x 6mm EP Two-Piece Healing Abutment	\$47.50
TH268	Miniplant/Standard Diameter 6.0 x 8mm EP Two-Piece Healing Abutment	\$47.50
TH273	Miniplant/Standard Diameter 7.5 x 3mm EP Two-Piece Healing Abutment	\$47.50
TH274	Miniplant/Standard Diameter 7.5 x 4mm EP Two-Piece Healing Abutment	\$47.50
TH276	Miniplant/Standard Diameter 7.5 x 6mm EP Two-Piece Healing Abutment	\$47.50
TH278	Miniplant/Standard Diameter 7.5 x 8mm EP Two-Piece Healing Abutment	\$47.50
TH310	Miniplant - 3.3 x 10mm Cylinder	\$237.00
TH313	Miniplant - 3.3 x 13mm Cylinder	\$237.00
TH315	Miniplant - 3.3 x 15mm Cylinder	\$237.00
TH385	Miniplant - 3.3 x 8.5mm Cylinder	\$237.00
THA52	Miniplant/Standard Diameter 5.0 x 2mm EP One-Piece Healing Abutment	\$33.00
THA54	Miniplant/Standard Diameter 5.0 x 4mm EP One-Piece Healing Abutment	\$33.00
THA56	Miniplant/Standard Diameter 5.0 x 6mm EP One-Piece Healing Abutment	\$33.00
THA58	Miniplant/Standard Diameter 5.0 x 8mm EP One-Piece Healing Abutment	\$33.00
THA64	Miniplant/Standard Diameter 6.0 x 4mm EP One-Piece Healing Abutment	\$41.00
THA66	Miniplant/Standard Diameter 6.0 x 6mm EP One-Piece Healing Abutment	\$41.00
THA68	Miniplant/Standard Diameter 6.0 x 8mm EP One-Piece Healing Abutment	\$41.00
THA74	Miniplant/Standard Diameter 7.5 x 4mm EP One-Piece Healing Abutment	\$41.00
THA76	Miniplant/Standard Diameter 7.5 x 6mm EP One-Piece Healing Abutment	\$41.00
THA78	Miniplant/Standard Diameter 7.5 x 8mm EP One-Piece Healing Abutment	\$41.00
TIBC1	Titanium Coated Bone Carrier	\$159.00
TIPL1	Titanium Plugger - Large	\$53.00
TIPS1	Titanium Plugger - Small	\$53.00
TM310	MicroMiniplant™ - 3.3 x 10mm Cylinder	\$237.00

## SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
TM313	MicroMiniplant - 3.3 x 13mm Cylinder	\$237.00
TM315	MicroMiniplant - 3.3 x 15mm Cylinder	\$237.00
TM385	MicroMiniplant - 3.3 x 8.5mm Cylinder	\$237.00
TMP80	Tissue Measuring Post	\$97.00
TP001	Tissue Punch Standard	\$32.00
TP005	Tissue Punch 5.0mm	\$32.00
TP006	Tissue Punch 6.0mm	\$32.00
TP407	Standard Diameter Implant - 4.0 x 7mm Cylinder	\$237.00
TP410	Standard Diameter Implant - 4.0 x 10mm Cylinder	\$237.00
TP413	Standard Diameter Implant - 4.0 x 13mm Cylinder	\$237.00
TP415	Standard Diameter Implant - 4.0 x 15mm Cylinder	\$237.00
TP418	Standard Diameter Implant - 4.0 x 18mm Cylinder	\$237.00
TP485	Standard Diameter Implant - 4.0 x 8.5mm Cylinder	\$237.00
TP507	Wide Diameter Implant - 5.0 x 7mm Cylinder	\$273.00
TP510	Wide Diameter Implant - 5.0 x 10mm Cylinder	\$273.00
TP513	Wide Diameter Implant - 5.0 x 13mm Cylinder	\$273.00
TP585	Wide Diameter Implant - 5.0 x 8.5mm Cylinder	\$273.00
TP607	Wide Diameter 6.0mm x 7mm Cylinder	\$273.00
TP610	Wide Diameter 6.0mm x 10mm Cylinder	\$273.00
TP613	Wide Diameter 6.0mm x 13mm Cylinder	\$273.00
TP685	Wide Diameter 6.0mm x 8.5mm Cylinder	\$273.00
TRE02	Trephine Bur 2mm dia	\$113.50
TRE04	Trephine Bur 4mm dia	\$113.50
TRE05	Trephine Bur 5mm dia	\$113.50
TRE06	Trephine Bur 6mm dia	\$113.50
TRE08	Trephine Bur 8mm dia	\$113.50
TST01	Titanium Suction Tip	\$146.00
TT150	No-Touch Mini Surgical Block	\$72.00
TT250	Aluminum Surgical Tray	\$375.00
TT300	Surgical Tray and Blue Drill Organizing Block	\$910.00
WDP02	Wide Implant Depth Probe	\$139.00
WR150	Ratchet Wrench	\$194.00
WT2553	Wide Diameter 5.0mm EP® Two-Piece Healing Abutment 5.0 x 3mm	\$52.50
WT2554	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 5.0 x 4mm	\$52.50
WT2556	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 5.0 x 6mm	\$52.50
WT2558	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 5.0 x 8mm	\$52.50
WT2563	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 6.0 x 3mm	\$52.50
WT2564	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 6.0 x 4mm	\$52.50
WT2566	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 6.0 x 6mm	\$52.50
WT2568	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 6.0 x 8mm	\$52.50
WT2573	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 7.5 x 3mm	\$52.50
WT2574	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 7.5 x 4mm	\$52.50
WT2576	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 7.5 x 6mm	\$52.50
WT2578	Wide Diameter 5.0mm EP Two-Piece Healing Abutment 7.5 x 8mm	\$52.50
WT2663	Wide Diameter 6.0mm EP Two-Piece Healing Abutment 6.0 x 3mm	\$52.50
WT2664	Wide Diameter 6.0mm EP Two-Piece Healing Abutment 6.0 x 4mm	\$52.50
WT2666	Wide Diameter 6.0mm EP Two-Piece Healing Abutment 6.0 x 6mm	\$52.50

## SURGICAL PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
WT2668	Wide Diameter 6.0mm EP Two-Piece Healing Abutment 6.0 x 8mm	\$52.50
WT2673	Wide Diameter 6.0mm EP Two-Piece Healing Abutment 7.5 x 3mm	\$52.50
WT2674	Wide Diameter 6.0mm EP Two-Piece Healing Abutment 7.5 x 4mm	\$52.50
WT2676	Wide Diameter 6.0mm EP Two-Piece Healing Abutment 7.5 x 6mm	\$52.50
WT2678	Wide Diameter 6.0mm EP Two-Piece Healing Abutment 7.5 x 8mm	\$52.50
WTH52	Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 2mm	\$46.50
WTH54	Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 4mm	\$46.50
WTH56	Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 6mm	\$46.50
WTH562	Wide Diameter 5.0mm EP One-Piece Healing Abutment 6.0 x 2mm	\$46.50
WTH564	Wide Diameter 5.0mm EP One-Piece Healing Abutment 6.0 x 4mm	\$46.50
WTH566	Wide Diameter 5.0mm EP One-Piece Healing Abutment 6.0 x 6mm	\$46.50
WTH568	Wide Diameter 5.0mm EP One-Piece Healing Abutment 6.0 x 8mm	\$46.50
WTH572	Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 2mm	\$46.50
WTH574	Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 4mm	\$46.50
WTH576	Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 6mm	\$46.50
WTH578	Wide Diameter 5.0mm EP One-Piece Healing Abutment 7.5 x 8mm	\$46.50
WTH58	Wide Diameter 5.0mm EP One-Piece Healing Abutment 5.0 x 8mm	\$46.50
WTH62	Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 2mm	\$46.50
WTH64	Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 4mm	\$46.50
WTH66	Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 6mm	\$46.50
WTH672	Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 2mm	\$46.50
WTH674	Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 4mm	\$46.50
WTH676	Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 6mm	\$46.50
WTH678	Wide Diameter 6.0mm EP One-Piece Healing Abutment 7.5 x 8mm	\$46.50
WTH68	Wide Diameter 6.0mm EP One-Piece Healing Abutment 6.0 x 8mm	\$46.50
XDG01	Gelb Radiographic Depth Gauge Kit, 2.3mm diameter	\$99.00
XDG2313	Gelb Radiographic Depth Gauge, 2.3mm x 13mm	\$23.00
XDG2320	Gelb Radiographic Depth Gauge, 2.3mm x 20mm	\$23.00
XPMOD1	OSSEOTITE XP™ Implant 4/5mm x 13.0mm, 3X Model	\$40.00

# Restorative Products

**Products Listed By Code Number**



# RESTORATIVE PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
AB200	Standard Abutment 2mm	\$125.00
AB300	Standard Abutment 3mm	\$125.00
AB400	Standard Abutment 4mm	\$125.00
AB550	Standard Abutment 5.5mm	\$125.00
AB700	Standard Abutment 7mm	\$125.00
AG900	Prosthetic Angle Guide Kit	\$130.00
APP452G	*GingiHue™ Post 4.1mm x 5mm x 2mm	\$80.00
APP454G	*GingiHue Post 4.1mm x 5mm x 4mm	\$80.00
APP462G	*GingiHue Post 4.1mm x 6mm x 2mm	\$80.00
APP464G	*GingiHue Post 4.1mm x 6mm x 4mm	\$80.00
APP472G	*GingiHue Post 4.1mm x 7.5mm x 2mm	\$80.00
APP474G	*GingiHue Post 4.1mm x 7.5mm x 4mm	\$80.00
ART693	Patient Education Brochures - Pack of 25	\$5.00
ART782	Patient Education Flip Chart	\$55.00
ART795	Patient Education Stands	\$8.00
BKM01	"Dental Implants: Are They for Me?"	\$31.00
BKS03	"Surgical and Prosthetic Approach to Osseointegration with the 3i Implant System"	\$108.00
BKSP1	"Implant Surgery & Prosthesis"	\$128.00
CA001	Conical Abutment 1mm	\$128.00
CA002	Conical Abutment 2mm	\$128.00
CA003	Conical Abutment 3mm	\$128.00
CA004	Conical Abutment 4mm	\$128.00
CA055	Conical Abutment 5.5mm	\$128.00
CACC5	Conical Castable Plastic Non-Hexed Cylinder for 4.1mm/5mm Implant	\$27.00
CADD0	Contra-Angle Direct Drive	\$338.00
CADD1	Direct Drive Handle Only	\$81.00
CAGC5	Conical Gold Cylinder Non-Hexed for 4.1mm/5mm Implant	\$66.50
CAGC6	Conical Gold Cylinder Non-Hexed for 6mm Implant	\$90.00
CAP454	*ZiReal™ Post 4.1mm x 5mm x 4mm	\$162.00
CAP464	*ZiReal Post 4.1mm x 6mm x 4mm	\$162.00
CATC1	Contra-Angle Torque Control 10Ncm	\$166.50
CATC2	Contra-Angle Torque Control 20Ncm	\$166.50
CATC3	Contra-Angle Torque Control 32Ncm	\$166.50
CATD0	Contra-Angle Torque Driver Kit	\$1,050.00
CATDB	Contra-Angle Torque Driver Body	\$317.00
CATDH	Contra-Angle Torque Driver Handle	\$22.00
CC300	Conical Temporary Cylinder for 4.1mm/5mm Implant Non-Hexed	\$28.00
CGC30	Standard Abutment Chamfered Gold Cylinder	\$60.00
CIC55	Conical Twist Lock™ Coping 5mm Emergence Profile Non-Hexed	\$20.00
CIC56	Conical Twist Lock Coping 6mm Emergence Profile Non-Hexed	\$20.00
CIC57	Conical Twist Lock Coping 7.5mm Emergence Profile Non-Hexed	\$20.00
CLA20	Conical Lab Analog	\$12.50
CNC30	Conical Temporary Cylinder for 4.1mm/5mm Implant Hexed	\$28.00
CNRC5	Conical Castable Plastic Hexed Cylinder for 4.1mm/5mm Implant	\$32.00
CNRG5	Conical Gold Cylinder Hexed for 4.1mm/5mm Implant	\$80.00
CNRG6	Conical Gold Cylinder Hexed for 6mm Implant	\$95.00
CNRIC	Conical Pick-up Coping 5mm Emergence Profile Hexed	\$32.00
CS250	Conical Healing Cap 5mm for 4.1mm and 5mm (D) Platforms	\$20.00
CS260	Conical Healing Cap 6mm	\$20.00
CS270	Conical Healing Cap 7.5mm	\$20.00
CSQ03	Conical Pick-up Coping 6mm Emergence Profile Non-Hexed	\$24.00
CSQ07	Conical Pick-up Coping 7.5mm Emergence Profile Non-Hexed	\$24.00
CSQ17	Conical Pick-up Coping 5mm Emergence Profile Non-Hexed	\$24.00
CSQN6	Conical Pick-up Coping 6mm Emergence Profile Hexed	\$34.00

## RESTORATIVE PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
CSQN7	Conical Pick-up Coping 7.5mm Emergence Profile Hexed	\$34.00
DRA20	Dal-Ro Abutment 2mm	\$125.00
DRA40	Dal-Ro Abutment 4mm	\$125.00
DRA60	Dal-Ro Abutment 6mm	\$125.00
DRCS1	Castable Dal-Ro System	\$40.00
FPN10	Fixing Pin - 1.0mm dia	\$10.50
FPN12	Fixing Pin - 1.2mm dia	\$10.50
FPN14	Fixing Pin - 1.4mm dia	\$10.50
GPA01	Gold Post™ Abutment 1mm	\$130.00
GPA02	Gold Post Abutment 2mm	\$130.00
GPA03	Gold Post Abutment 3mm	\$130.00
GPA04	Gold Post Abutment 4mm	\$130.00
GSH20	Gold-Tite™ Hex Retaining Screw 2mm	\$24.00
GSH30	Gold-Tite Hex Retaining Screw 3mm	\$24.00
GSH70	Gold-Tite Hex Retaining Screw 7mm	\$32.00
GUCA1C	*UCLA Gold Hexed Abutment Cylinder	\$92.00
GUCA2C	*UCLA Gold Non-Hexed Abutment Cylinder	\$92.00
IC100	Surgical Index Coping	\$72.00
IC106	Index Coping Drill Guide	\$21.00
ICD00	Impression Coping Driver	\$75.00
IIC12	Implant Pick-up Coping 5mm	\$40.00
IIC45	Implant Twist Lock™ Coping 5mm	\$40.00
IIC46	Implant Twist Lock Coping 6mm	\$40.00
IIC47	Implant Twist Lock Coping 7.5mm	\$40.00
IIC60	Implant Pick-up Coping 6mm	\$40.00
IIC75	Implant Pick-up Coping 7.5mm	\$40.00
ILA20	Implant Lab Analog	\$18.00
ILAW5	Wide Diameter 5mm Implant Lab Analog	\$24.00
ILAW6	Wide Diameter 6mm Implant Lab Analog	\$24.00
ITCH0	Miniplant®/Standard Diameter Implant Temporary Cylinder Hexed	\$50.00
ITCH1	Miniplant/Standard Diameter Implant Temporary Cylinder Non-Hexed	\$50.00
LAERM	LOCATOR™ Extended Range Males - 4 Pack	\$23.00
LAIC1	LOCATOR Abutment Impression Coping	\$17.00
LALA1	LOCATOR Lab Analog	\$17.00
LARMS	LOCATOR Replacement Males - 4 Pack	\$23.00
LCTDR1	LOCATOR Core Tool/Abutment Driver	\$56.00
ID100	Index Coping Drill	\$17.50
LLRMS	LOCATOR Light Retention Males - 4 Pack	\$23.00
LOA001	LOCATOR Abutment 1mm	\$135.00
LOA002	LOCATOR Abutment 2mm	\$135.00
LOA003	LOCATOR Abutment 3mm	\$135.00
LOA004	LOCATOR™ Abutment 4mm	\$135.00
LT034	Lapping Tool Standard Abutment	\$27.00
LT150	Lapping Tool UCLA	\$27.00
LTAH5	MicroMiniplant™ Lab Abutment Holder 3.4mm (D)	\$42.00
LTAH7	Lab Abutment Holder for 4.1, 5.0 and 6.0mm (D) Platforms	\$42.00
MAP32G	*MicroMiniplant™ GingiHue™ Post 3.4mm x 3.8mm x 2mm	\$80.00
MAP34G	*MicroMiniplant GingiHue Post 3.4mm x 3.8mm x 4mm	\$80.00
MCA31	MicroMiniplant Conical Abutment 1mm	\$128.00
MCA32	MicroMiniplant Conical Abutment 2mm	\$128.00
MCA33	MicroMiniplant Conical Abutment 3mm	\$128.00
MCA34	MicroMiniplant Conical Abutment 4mm	\$128.00
MCAG1	MicroMiniplant Conical Gold Cylinder Hexed	\$80.00
MCAG2	MicroMiniplant Conical Gold Cylinder Non-Hexed	\$75.00

# RESTORATIVE PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
MCTC1	MicroMiniplant Conical Temporary Cylinder Hexed	\$28.00
MCTC2	MicroMiniplant Conical Temporary Cylinder Non-Hexed	\$28.00
MEC33	MicroMiniplant Conical Coping	\$38.00
MHC33	MicroMiniplant Conical Healing Cap	\$20.00
MIC33	MicroMiniplant Pick-up Coping	\$39.50
MMCLA	MicroMiniplant Conical Lab Analog	\$17.00
MMILA	MicroMiniplant Implant Lab Analog	\$19.00
MMTC1	MicroMiniplant Implant Temporary Cylinder Hexed Only	\$50.00
MODWRENCH	Square Driver for 3X Abutment Screw	\$10.00
MPAP32G	*MicroMiniplant 15° Pre-Angled GingiHue™ Post 3.4mm x 3.8mm x 2mm	\$100.00
MPAP34G	*MicroMiniplant 15° Pre-Angled GingiHue Post 3.4mm x 3.8mm x 4mm	\$100.00
MUCG1C	*MicroMiniplant UCLA Gold Hexed Abutment Cylinder	\$92.00
MUNITS	MicroMiniplant Square Try-in Screw (5 Pack Only)	\$50.00
OSO20	O-Ring Abutment 2mm	\$125.00
OSO40	O-Ring Abutment 4mm	\$125.00
OSO60	O-Ring Abutment 6mm	\$125.00
OSOCA	Castable O-Ring System	\$40.00
PA152C	*Pre-Angled Abutment 15° x 2mm Cylinder	\$128.00
PA154C	*Pre-Angled Abutment 15° x 4mm Cylinder	\$128.00
PA156C	*Pre-Angled Abutment 15° x 6mm Cylinder	\$128.00
PA252C	*Pre-Angled Abutment 25° x 2mm Cylinder	\$138.00
PA254C	*Pre-Angled Abutment 25° x 4mm Cylinder	\$138.00
PA256C	*Pre-Angled Abutment 25° x 6mm Cylinder	\$138.00
PAD00	Posterior Abutment Driver 17mm	\$105.00
PAD01	O-Ring Abutment Driver	\$62.50
PAD03	Dal-Ro Abutment Driver	\$62.50
PAD24	Standard Abutment Driver 24mm	\$105.00
PAP452G	*15° Pre-Angled GingiHue™ Post 4.1mm x 5mm x 2mm	\$100.00
PAP454G	*15° Pre-Angled GingiHue Post 4.1mm x 5mm x 4mm	\$100.00
PAP462G	*15° Pre-Angled GingiHue Post 4.1mm x 6mm x 2mm	\$100.00
PAP464G	*15° Pre-Angled GingiHue Post 4.1mm x 6mm x 4mm	\$100.00
PAP472G	*15° Pre-Angled GingiHue Post 4.1mm x 7.5mm x 2mm	\$100.00
PAP474G	*15° Pre-Angled GingiHue Post 4.1mm x 7.5mm x 4mm	\$100.00
PAP552G	*15° Pre-Angled GingiHue Post 5mm x 5mm x 2mm	\$103.00
PAP554G	*15° Pre-Angled GingiHue Post 5mm x 5mm x 4mm	\$103.00
PAP562G	*15° Pre-Angled GingiHue™ Post 5mm x 6mm x 2mm	\$103.00
PAP564G	*15° Pre-Angled GingiHue Post 5mm x 6mm x 4mm	\$103.00
PAP572G	*15° Pre-Angled GingiHue Post 5mm x 7.5mm x 2mm	\$103.00
PAP574G	*15° Pre-Angled GingiHue Post 5mm x 7.5mm x 4mm	\$103.00
PAP662G	*15° Pre-Angled GingiHue Post 6mm x 6mm x 2mm	\$103.00
PAP664G	*15° Pre-Angled GingiHue Post 6mm x 6mm x 4mm	\$103.00
PAP672G	*15° Pre-Angled GingiHue Post 6mm x 7.5mm x 2mm	\$103.00
PAP674G	*15° Pre-Angled GingiHue Post 6mm x 7.5mm x 4mm	\$103.00
PHD00N	Posterior Small Hex Driver 17mm	\$75.00
PHD01N	Standard Small Hex Driver 24mm	\$75.00
PHD02N	Posterior Large Hex Driver 17mm	\$75.00
PHD03N	Standard Large Hex Driver 24mm	\$75.00
PPCA3	Conical Polishing Protector	\$15.00
PPIA3	Miniplant® Standard Implant Polishing Protector	\$15.00
PPMC1	MicroMiniplant™ Conical Polishing Protector	\$15.00
PPMM1	MicroMiniplant Implant Polishing Protector	\$15.00
PPSA3	Standard Abutment Polishing Protector	\$15.00
PPST3	STA® Polishing Protector	\$14.00
PPST6	Wide Diameter 6mm STA Polishing Protector	\$14.00

\*Use of square Gold-Tite™ Uniscrew recommended.  
 (‡) Packaged with a square Gold-Tite™ Uniscrew.



# RESTORATIVE PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
PSDK0	Restorative Instrumentation System	\$1,999.00
PSDT1	Restorative System Delivery Tray	\$260.00
PSQD0N	Posterior Square Driver 17mm	\$75.00
PSQD1N	Standard Square Driver 24mm	\$75.00
PTC345	Prep-Tite™ Cap 5mm(H) Fits: MAP32G, MAP34G	\$12.50
PTC347	Prep-Tite Cap 7mm(H) Fits: MAP32G, MAP34G	\$12.50
PTC455	Prep-Tite Cap 5mm(H) Fits: APP452G, APP454G	\$12.50
PTC457	Prep-Tite Cap 7mm(H) Fits: APP452G, APP454G	\$12.50
PTC465	Prep-Tite Cap 5mm(H) Fits: APP462G, APP464G, WPP562G, WPP564G	\$12.50
PTC467	Prep-Tite Cap 7mm(H) Fits: APP462G, APP464G, WPP562G, WPP564G	\$12.50
PTC475	Prep-Tite Cap 5mm(H) Fits: APP472G, APP474G, WPP572G, WPP574G, WPP672G, WPP674G	\$12.50
PTC477	Prep-Tite Cap 7mm(H) Fits: APP472G, APP474G, WPP572G, WPP574G, WPP672G, WPP674G	\$12.50
PTC555	Prep-Tite Cap 5mm(H) Fits: WPP552G, WPP554G	\$12.50
PTC557	Prep-Tite Cap 7mm(H) Fits: WPP552G, WPP554G	\$12.50
PTC665	Prep-Tite Cap 5mm(H) Fits: WPP662G, WPP664G	\$12.50
PTC667	Prep-Tite Cap 7mm(H) Fits: WPP662G, WPP664G	\$12.50
RADR1	Dal-Ro Driver Tip	\$42.00
RAOR1	O-Ring Driver Tip 24mm	\$42.00
RASA3	Abutment Driver Driver Tip 24mm	\$42.00
RASH2N	Small Hex Driver Tip 24mm	\$42.00
RASH3N	Large Hex Driver Tip 24mm	\$42.00
RASH4	.050 Hex Driver Tip 24mm	\$42.00
RASH7N	Small Hex Driver Tip 30mm	\$42.00
RASH8N	Large Hex Driver Tip 30mm	\$42.00
RASH9	.050 Hex Driver Tip 30mm	\$42.00
RASQ3N	Square Driver Tip 24mm	\$42.00
RASQ8N	Square Driver Tip 30mm	\$42.00
RH600	Reamer & Handle	\$32.00
RTI2035	Restorative Torque Indicator	\$255.00
RTI2035K	Restorative Torque Indicator Kit	\$395.00
RTI2035TR	Restorative Torque Indicator Tray	\$72.00
SCA001	Conical Gold Standard ZR™ Abutment 1mm	\$128.00
SCA002	Conical Gold Standard ZR Abutment 2mm	\$128.00
SCA003	Conical Gold Standard ZR Abutment 3mm	\$128.00
SCA004	Conical Gold Standard ZR Abutment 4mm	\$128.00
SCA055	Conical Gold Standard ZR Abutment 5.5mm	\$128.00
SGC30	Standard Abutment Gold Cylinder	\$60.00
SGC34	Standard Abutment Castable Plastic Cylinder	\$20.00
SGUCA1C	*UCLA Gold Standard ZR™ Hexed Abutment Cylinder	\$92.00
SIC70	Standard Abutment Transfer Coping	\$20.00
SLA20	Standard Abutment Lab Analog	\$12.50
SPIC5	STA® Pick-up Coping w/5mm Emergence Profile	\$27.00
SPIC56	STA Pick-up Coping w/6mm Emergence Profile	\$27.00
SPIC57	STA Pick-up Coping w/7.5mm Emergence Profile	\$27.00
SPIC6	Wide Diameter 6mm STA Pick-up Coping 6mm	\$27.00
SPIC67	Wide Diameter 6mm STA Pick-up Coping 7.5mm	\$27.00
SQIC7	Standard Abutment Pick-up Coping	\$22.00
SRT01	Screw Removal Tool - Tap	\$75.00
SRT02	Screw Removal Tool - 1.04mm Drill	\$57.00
SRT03	Screw Removal Tool - 1.18mm Drill	\$57.00
SRT04	Screw Removal Tool - Extracting Drill	\$52.00
SRT05	Screw Removal Tool - Guide Handle	\$105.00

# RESTORATIVE PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
SRT10	Screw Removing Kit	\$325.00
STA451	□STA - Single Tooth Abutment 1mm	\$185.00
STA452	□STA - Single Tooth Abutment 2mm	\$185.00
STA453	□STA - Single Tooth Abutment 3mm	\$185.00
STA454	□STA - Single Tooth Abutment 4mm	\$185.00
STA455	□STA - Single Tooth Abutment 5mm	\$185.00
STA551	□STA - Single Tooth Abutment 1mm	\$195.00
STA552	□STA - Single Tooth Abutment 2mm	\$195.00
STA553	□STA - Single Tooth Abutment 3mm	\$195.00
STA661	□STA - Single Tooth Abutment 1mm	\$195.00
STA662	□STA - Single Tooth Abutment 2mm	\$195.00
STA663	□STA - Single Tooth Abutment 3mm	\$195.00
STGC5	STA Gold Cylinder for 4.1mm/5mm Implant	\$76.00
STGC6	STA Gold Cylinder for 6mm Wide Diameter Implant	\$76.00
STIC5	STA Twist Lock™ Coping w/5mm Emergence Profile	\$27.00
STIC56	STA Twist Lock Coping w/6mm Emergence Profile	\$27.00
STIC57	STA Twist Lock Coping w/7.5mm Emergence Profile	\$27.00
STIC6	Wide Diameter 6mm STA Twist Lock Coping 6mm	\$27.00
STIC67	Wide Diameter 6mm STA Twist Lock Coping 7.5mm	\$27.00
STLA5	STA Lab Analog	\$19.00
STLA6	Wide Diameter 6mm STA Lab Analog	\$20.00
STTC5	STA Temporary Cylinder for 4.1mm/5mm Implant	\$17.00
STTC6	STA Wide Diameter Temporary Cylinder for 6mm Implant	\$17.50
STTH5	□STA Healing Cap 5mm	\$21.00
STTH56	□STA Healing Cap 6mm	\$21.00
STTH57	□STA Healing Cap 7.5mm	\$21.00
STTH6	Wide Diameter 6mm STA Healing Cap 6mm	\$21.00
STTH67	Wide Diameter 6mm STA Healing Cap 7.5mm	\$21.00
SWCA51	Conical Gold Standard ZR™ Abutment 1mm	\$138.50
SWCA52	Conical Gold Standard ZR Abutment 2mm	\$138.50
SWCA53	Conical Gold Standard ZR Abutment 3mm	\$138.50
SWCA54	Conical Gold Standard ZR Abutment 4mm	\$138.50
SWCA55	Conical Gold Standard ZR Abutment 5.5mm	\$138.50
SWCA61	Conical Gold Standard ZR Abutment 1mm	\$138.50
SWCA62	Conical Gold Standard ZR Abutment 2mm	\$138.50
SWCA63	Conical Gold Standard ZR Abutment 3mm	\$138.50
SWCA64	Conical Gold Standard ZR Abutment 4mm	\$138.50
SWCA65	Conical Gold Standard ZR Abutment 5.5mm	\$138.50
SWGA51C	*UCLA Gold Standard ZR™ Hexed Abutment Cylinder	\$102.00
SWGA61C	*UCLA Gold Standard ZR Hexed Abutment Cylinder	\$102.00
TC300	Standard Abutment Temporary Cylinder for Miniplant/Standard Diameter Implant	\$26.00
TGA01	TG Hex Abutment	\$100.00
TGAD00	TG Hex Abutment Driver	\$80.00
TGADR1	TG Hex Abutment Driver Tip	\$42.00
TGAGC	TG Hex Abutment Gold Cylinder Non-Hexed	\$75.00
TGAGCB	TG Hex Abutment Gold Cylinder - (For Bar Overdenture)	\$75.00
TGAHC	TG Hex Abutment Healing Cap	\$15.00
TGALA	TG Hex Abutment Lab Analog	\$21.00
TGANRC	TG Hex Abutment Gold Cylinder Hexed	\$75.00
TGANRTC	TG Hex Abutment Temporary Cylinder Hexed	\$34.00
TGAPCC	TG Hex Abutment Castable Plastic Non-Hexed Cylinder	\$20.00
TGAPIC	TG Hex Abutment Pick-up Coping	\$28.00
TGAPNR	TG Hex Abutment Castable Plastic Hexed Cylinder	\$20.00
TGATC	TG Hex Abutment Temporary Cylinder Non-Hexed	\$34.00

\*Use of square Gold-Tite™ Uniscrew recommended.  
 □ Packaged with a square Gold-Tite™ Uniscrew.

# RESTORATIVE PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
TGATIC	TG Hex Abutment Twist Lock™ Coping	\$28.00
TGDRA0	TG Dal-Ro Abutment 0mm	\$80.00
TGDRA2	TG Dal-Ro Abutment 2mm	\$80.00
TGLA10	TG LOCATOR™ Abutment 1mm	\$135.00
TGLA20	TG LOCATOR Abutment 2mm	\$135.00
TGLA30	TG LOCATOR Abutment 3mm	\$135.00
TGLA40	TG LOCATOR Abutment 4mm	\$135.00
TGLC04	TG Post Lok-Cap™ 4mm	\$12.00
TGLC07	TG Post Lok-Cap 7mm	\$12.00
TGLC55	TG Post Lok-Cap 5.5mm	\$12.00
TGLLA	TG OSSEOTITE® LOCATOR™ Abutment Lab Analog	\$17.00
TGMP1	TG Hex Abutment Milling Post - (For Cement Retained Restoration)	\$90.00
TGORA0	TG O-Ring Lab Analog 0mm	\$22.00
TGORA2	TG O-Ring Lab Analog 2mm/4mm	\$22.00
TGOS00	TG O-Ring Abutment 0mm	\$80.00
TGOS02	TG O-Ring Abutment 2mm	\$80.00
TGOS04	TG O-Ring Abutment 4mm	\$80.00
TGPA15	TG Pre-Angled Post 15° (Hexed Gold-Tite™ retaining screw included)	\$130.00
TGPA25	TG Pre-Angled Post 25° (Hexed Gold-Tite™ retaining screw included)	\$130.00
TGPD00	TG Post Driver	\$62.50
TGPD1	Gold Post™ Driver	\$60.00
TGPDR1	Gold Post Driver Tip	\$42.00
TGPF04	TG Post 4mm	\$88.00
TGPF07	TG Post 7mm	\$88.00
TGPF55	TG Post 5.5mm	\$88.00
TGPIC4	TG Post Impression Coping 4mm	\$10.00
TGPIC5	TG Post Impression Coping 5.5mm	\$10.00
TGPIC7	TG Post Impression Coping 7mm	\$10.00
TGPLA4	TG Post Lab Analog 4mm	\$21.00
TGPLA5	TG Post™ Lab Analog 5.5mm	\$21.00
TGPLA7	TG Post Lab Analog 7mm	\$21.00
TGPMUC	TG Post Castable Cylinder (Multi Unit)	\$16.00
TGPPC	TG Post Universal Preparation Coping	\$10.00
TGPRA1	TG Post Driver Tip	\$42.00
TGPSUC	TG Post Castable Cylinder (Single Unit)	\$16.00
TGPTIK	TG Post Try-In Kit	\$115.00
THRC4	Miniplant™/Standard Diameter Implant Retention Cylinder - 2mm	\$41.00
THRC6	Miniplant/Standard Diameter Implant Retention Cylinder - 4mm	\$41.00
TMP80	Tissue Measuring Post	\$97.00
TP001	Tissue Punch for Miniplant/Standard Implants 4.1mm (D)	\$32.00
TP005	Tissue Punch for 5.0mm Implants	\$32.00
TP006	Tissue Punch for 6.0mm Implants	\$32.00
TS250	Standard Abutment Healing Cap	\$20.00
TUS10	Tube and Screw - 1.0mm diameter	\$45.00
TUS12	Tube and Screw - 1.2mm diameter	\$45.00
TUS14	Tube and Screw - 1.4mm diameter	\$45.00
UCLAMOD4	3X Model of 4.0mm UCLA Abutment and Screw	\$20.00
UCLAMOD5	3X Model of 5.0mm UCLA Abutment and Screw	\$20.00
UNA125	*UCLA Castable Plastic Hexed Abutment Cylinders 25 Pack	\$865.00
UNA225	*UCLA Castable Plastic Non-Hexed Abutment Cylinders 25 Pack	\$865.00
UNAB1C	*UCLA Castable Plastic Hexed Abutment Cylinder	\$42.00
UNAB2C	*UCLA Castable Plastic Non-Hexed Abutment Cylinder	\$42.00
UNIHG	Hexed Gold-Tite UniScrew	\$50.00
UNIHT	Hexed Titanium UniScrew	\$40.00

## RESTORATIVE PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
UNISG	Square Gold-Tite UniScrew	\$50.00
UNISGMOD	3X Model of Square Gold-Tite™ UniScrew	\$10.00
UNITS	Square Try-in Screw (5 Pack Only)	\$50.00
VIDPE - S01	Patient Education Video - Spanish - PAL	\$2.50
VIDPE - S02	Patient Education Video - Spanish - NTSC	\$2.50
VIDPE01	Patient Education Video - NTSC	\$2.50
VIDPE02	Patient Education Video - PAL	\$2.50
VIDS6	Modified Osteotome Sinus Craft and Chin Harvest - NTSC	\$30.00
VIDS7	Modified Osteotome Sinus Craft and Chin Harvest - PAL	\$30.00
WAB200	Standard Abutment 2mm	\$128.00
WAB300	Standard Abutment 3mm	\$128.00
WAB400	Standard Abutment 4mm	\$128.00
WAB550	Standard Abutment 5.5mm	\$128.00
WCA51	Conical Abutment 1mm	\$138.50
WCA52	Conical Abutment 2mm	\$138.50
WCA53	Conical Abutment 3mm	\$138.50
WCA54	Conical Abutment 4mm	\$138.50
WCA55	Conical Abutment 5.5mm	\$138.50
WCA61	Conical Abutment 1mm	\$138.50
WCA62	Conical Abutment 2mm	\$138.50
WCA63	Conical Abutment 3mm	\$138.50
WCA64	Conical Abutment 4mm	\$138.50
WCA65	Conical Abutment 5.5mm	\$138.50
WCAP564	*ZiReal™ Post 5mm x 6mm x 4mm	\$162.00
WCAP574	*ZiReal Post 5mm x 7.5mm x 4mm	\$162.00
WCLA6	Wide Diameter 6mm Conical Lab Analog	\$19.00
WCP661	Conical Pick-up Coping for 6mm Implant w/6mm Emergence Profile Hexed	\$37.00
WCP662	Conical Pick-up Coping for 6mm Implant w/6mm Emergence Profile Non-Hexed	\$37.00
WCP671	Conical Pick-up Coping for 6mm Implant w/7.5mm Emergence Profile Hexed	\$37.00
WCP672	Conical Pick-up Coping for 6mm Implant w/7.5mm Emergence Profile Non-Hexed	\$37.00
WCPP6	Wide Diameter 6mm Conical Polishing Protector	\$14.50
WCS66	Wide Diameter 6mm Conical Healing Cap 6mm	\$21.00
WCS67	Wide Diameter 6mm Conical Healing Cap 7.5mm	\$21.00
WCT661	Conical Twist Lock™ Coping for 6mm Implant w/6mm Emergence Profile Hexed	\$37.00
WCT662	Conical Twist Lock Coping for 6mm Implant w/6mm Emergence Profile Non-Hexed	\$37.00
WCT671	Conical Twist Lock Coping for 6mm Implant w/7.5mm Emergence Profile Hexed	\$37.00
WCT672	Conical Twist Lock Coping for 6mm Implant w/7.5mm Emergence Profile Non-Hexed	\$37.00
WCTC60	Conical - Wide Diameter 6mm Temporary Cylinder Hexed	\$32.00
WCTC61	Conical - Wide Diameter 6mm Temporary Cylinder Non-Hexed	\$32.00
WGA51C	*UCLA Gold Hexed Abutment Cylinder	\$102.00
WGA52C	*UCLA Gold Non-Hexed Abutment Cylinder	\$102.00
WGA61C	*UCLA Gold Hexed Abutment Cylinder	\$102.00
WGA62C	*UCLA Gold Non-Hexed Abutment Cylinder	\$102.00
WIP55	5mm Implant Pick-up Coping 5mm	\$45.00
WIP56	5mm Implant Pick-up Coping 6mm	\$45.00
WIP57	5mm Implant Pick-up Coping 7.5mm	\$45.00
WIP66	6mm Implant Pick-up Coping 6mm	\$45.00
WIP67	6mm Implant Pick-up Coping 7.5mm	\$45.00
WIT55	5mm Implant Twist Lock Coping 5mm	\$45.00
WIT56	5mm Implant Twist Lock Coping 6mm	\$45.00
WIT57	5mm Implant Twist Lock Coping 7.5mm	\$45.00
WIT66	6mm Implant Twist Lock Coping 6mm	\$45.00
WIT67	6mm Implant Twist Lock Coping 7.5mm	\$45.00
WLT10	Lapping Tool UCLA Wide Diameter	\$27.00

# RESTORATIVE PRODUCTS BY PRODUCT CODE

Catalog Number	Description	Price Each
WOSO20	O-Ring Abutment 2mm	\$132.00
WOSO40	O-Ring Abutment 4mm	\$132.00
WOSO60	O-Ring Abutment 6mm	\$132.00
WPC51C	*UCLA Castable Plastic Hexed Abutment Cylinder	\$52.00
WPC52C	*UCLA Castable Plastic Non-Hexed Abutment Cylinder	\$52.00
WPC61C	*UCLA Castable Plastic Hexed Abutment Cylinder	\$52.00
WPC62C	*UCLA Castable Plastic Non-Hexed Abutment Cylinder	\$52.00
WPP50	Wide Diameter 5mm Implant Polishing Protector	\$17.00
WPP552G	*GingiHue™ Post 5mm x 5mm x 2mm	\$83.00
WPP554G	*GingiHue Post 5mm x 5mm x 4mm	\$83.00
WPP562G	*GingiHue Post 5mm x 6mm x 2mm	\$83.00
WPP564G	*GingiHue Post 5mm x 6mm x 4mm	\$83.00
WPP572G	*GingiHue Post 5mm x 7.5mm x 2mm	\$83.00
WPP574G	*GingiHue Post 5mm x 7.5mm x 4mm	\$83.00
WPP60	Wide Diameter 6mm Implant Polishing Protector	\$17.00
WPP662G	*GingiHue Post 6mm x 6mm x 2mm	\$83.00
WPP664G	*GingiHue Post 6mm x 6mm x 4mm	\$83.00
WPP672G	*GingiHue Post 6mm x 7.5mm x 2mm	\$83.00
WPP674G	*GingiHue Post 6mm x 7.5mm x 4mm	\$83.00
WPPGMOD1	3X Model of 5.0mm GingiHue™ Post	\$20.00
WSK10	Abutment Waxing Screw/Guide Pin 10mm	\$12.00
WSK15	Abutment Waxing Screw/Guide Pin 15mm	\$12.00
WSU30	Implant Laboratory Screw	\$14.00
WTC51	Implant - Wide Diameter 5mm Temporary Cylinder Hexed	\$55.00
WTC52	Implant - Wide Diameter 5mm Temporary Cylinder Non-Hexed	\$55.00
WTC61	Implant - Wide Diameter 6mm Temporary Cylinder Hexed	\$55.00
WTC62	Implant - Wide Diameter 6mm Temporary Cylinder Non-Hexed	\$55.00

**3i** CUSTOMER CONVENIENCE ORDER FORM

**Copy and fax completed form to 3i Customer Service at 561-776-1272.**

**Present Customer:**

☐ Yes☐ No

**Patient Name:** \_\_\_\_\_

## Billing Information

Name

Account Number

Date Order Placed

Street Address/Suite #

Order Placed By

P.O. Number

City

State

Zip Code

Phone (Include Area Code)

Fax (Include Area Code) \_\_\_\_\_

### Shipping Information

### Payment Method

Name

☐ Credit Card (please circle card)

Visa   MasterCard   American Express

Card No. \_\_\_\_\_

Exp. Date \_\_\_\_\_

Street Address/Suite #

City

State

Zip Code

☐ COD

☐ Bill Net 30**Shipping Method (check one)**

☐ **Economy**

☐ Priority Overnight☐ Standard Overnight☐ Saturday Delivery[illegible]

Thank you for your patronage! For further assistance, call **3i** Customer Service at 800-342-5454.

*For additional information or to place an order,  
contact your local 3i representative or call:*

**3i Customer Service**  
*Monday-Thursday 3am-8pm (EST)*  
*Friday 8am-6:30pm (EST)*  
**1.800.342.5454**  
**Outside U.S.: 561.776.6700**  
**Fax: 561.776.1272**  
**Website: [www.3i-online.com](http://www.3i-online.com)**

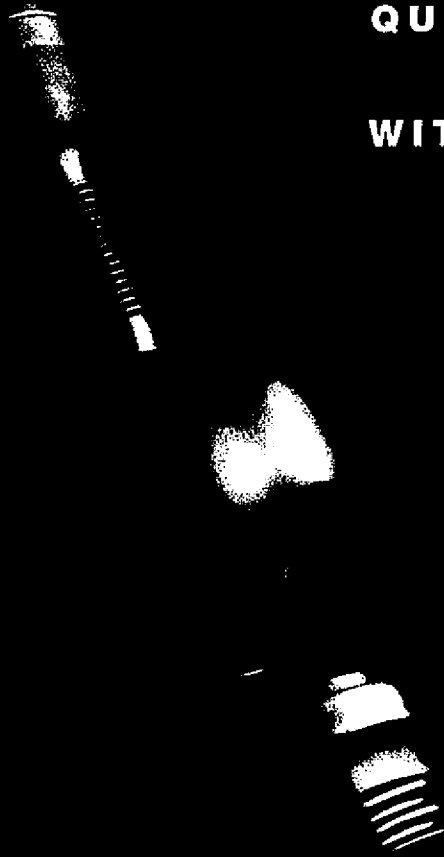


ART720  
Rev B 01/02

# **3i Surgical Catalog**

July 1997

**QUALITY AND PERFORMANCE  
WITH INNOVATIVE DESIGN**

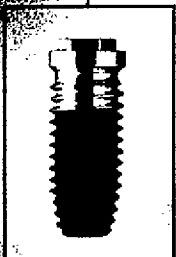
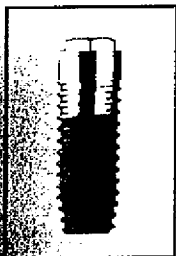


IMPLANT INNOVATIONS



# The 3i Implant System CE 9443

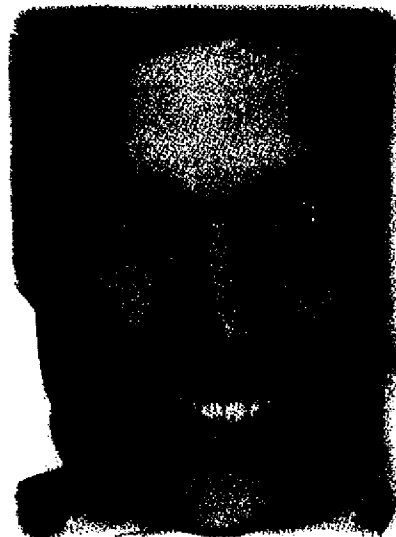
## MATCHING THE IMPLANT SYSTEM TO THE PATIENT



The **3i** Implant System was developed to provide clinicians with a full range of surgical and prosthetic options to match the implant to the patient's needs. The final prosthesis must be considered before the implant selection and case plan can be developed. The surgeon must also balance the available restorative space, with the space available for implant placement.

### Choices Lead To Solutions

The versatility of the **3i** Implant System allows the implant team to select the proper implant type and size to fit the patient's requirements. **3i** offers a system of simple, logical treatment options to enhance your clinical results and make your patients smile.



# THE 3i IMPLANT SYSTEM: KEYS TO IMPLANT SELECTION

## Crown Dimensions and Occlusal Load Assessment

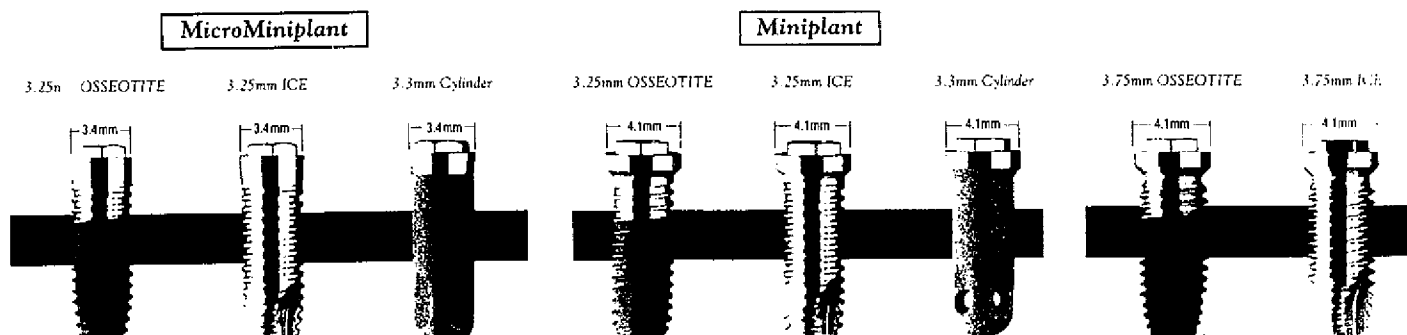
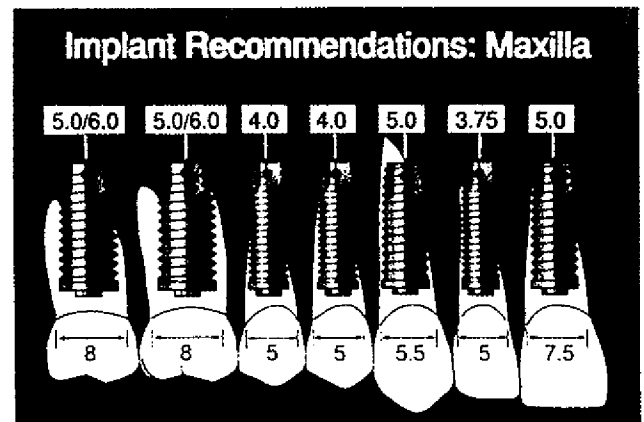
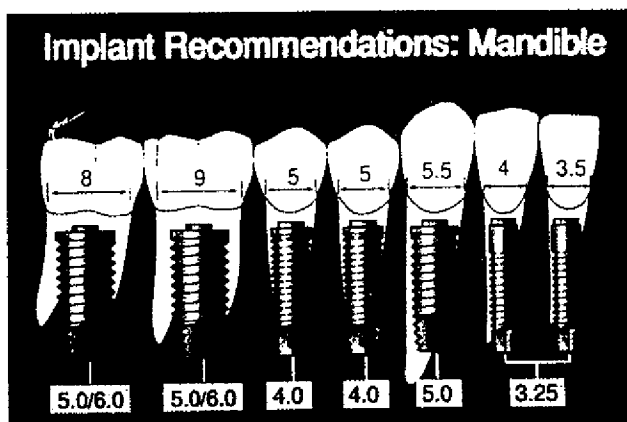
The implant seating surface should be slightly smaller than the dimension of the prosthetic tooth. This ensures tissue flare, proper emergence and prosthetic accuracy.

## Bone Anatomy Evaluation

Bone quality, as well as ridge height and width must be measured. There should be a minimum space of 6.5mm between the implant and the roots of the adjacent teeth, and 1mm of bone around the facial and lingual implant areas.

## Tissue Management and Emergence Profile Considerations

Tissue management is improved using 3i EP™ healing abutments to guide soft tissue healing at Stage II Surgery for anatomical tooth dimensions. As a result, the natural contours of the tooth are replicated without compromise. To ensure emergence profile, there should be a minimum distance of 1.25mm from the edge of the abutment to the proximal height contour of the adjacent tooth.

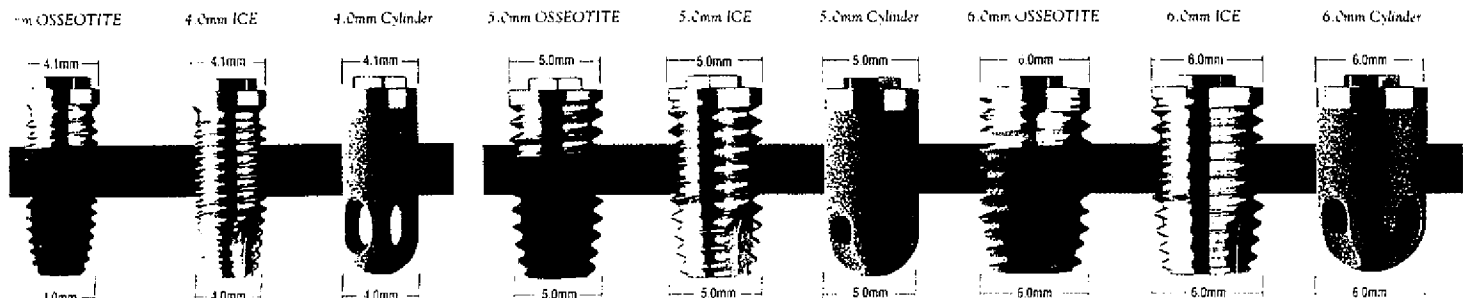


# IMPLANT INDICATIONS

Implant Body Width	Seating Surface Width	Minimum Restorative Space	Indications
<b>MicroMiniplant</b>	<b>3.4mm</b>	<b>5.5mm</b>	
3.25mm Threaded 3.3mm Cylinder			<b>Small Prosthetic Spaces</b> When bone width is 4mm or less - Mandibular Central Incisors - Mandibular Lateral Incisors - Maxillary Lateral Incisors
<b>Miniplant</b>	<b>4.1mm</b>	<b>7.0mm</b>	
3.25mm Threaded 3.3mm Cylinder			<b>Narrow Ridges</b> When bone width is 5mm or less - Maxillary Lateral Incisors - Maxillary Canines - Maxillary Premolars - Mandibular Premolars
<b>Standard</b>	<b>4.1mm</b>	<b>7.0mm</b>	
3.75/4.0mm Threaded 4.0/4.25mm Cylinder			- Maxillary Laterals - Maxillary & Mandibular Canines - Maxillary & Mandibular Premolars
<b>Wide Diameter</b>	<b>5.0mm</b>	<b>7.5mm</b>	
5.0mm Threaded 5.0mm Cylinder			- Maxillary & Mandibular Molars - Unilateral Posterior Quadrants
<b>Wide Diameter</b>	<b>6.0mm</b>	<b>8.5mm</b>	
6.0mm Threaded 6.0mm Cylinder			- Maxillary Central Incisors - Maxillary & Mandibular Canines - Beneath the Sinus or above the Mandibular Nerve

Standard

Wide Diameter



# ***3i Surgical Catalog***

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**79 INDEX**

# BLENDS INNOVATION, SERVICE AND QUALITY



Meeting customers' needs with innovation, service and quality is the guiding principle of *3i*. Founded in 1987, *3i* manufactured prosthetic components with a customer base limited to North America. Today, *3i* offers a complete line of dental implants, prosthetic components, surgical instrumentation, and educational services throughout the World. In addition, *3i* and GORE Regenerative Technologies formed a partnership in 1997, giving *3i* exclusive rights to distribute and market GORE Regenerative Materials. *3i* is proud to be recognized Worldwide for exceptional customer service, exacting manufacturing standards, leading-edge products and proven research.



## Putting Innovation to Clinical Use

*3i*'s commitment to extensive product research and development is based on listening to individual customer needs. We strive to improve implant dentistry by manufacturing products that are easier to use and result in improved esthetics for patient satisfaction.

Through a combination of innovation and clinical testing, *3i* has developed a number of products that continue to change the face of implant dentistry. We were the first to fully develop a complete UCLA Abutment System, the Grid Star™ and ZR™ Zero° Rotation Abutment series and the No-Touch™ Delivery System. *3i* pioneered the Emergence Profile System™, the OSSEOTITE® surface, the ICE® (Incremental Cutting Edge) design and GingivASCULPT™ Healing Abutments.

\* Less than 1 degree total angular motion

## Evidence Based Innovation

*3i* maintains a full-time research staff that manages research in 72 individual study centers throughout the World. *3i*'s research projects include 2,700 patients and over 8,300 implants placed. The data retrieved from these projects allows *3i* to continue to offer proven, innovative solutions.



## Building Partnerships With Our Customers

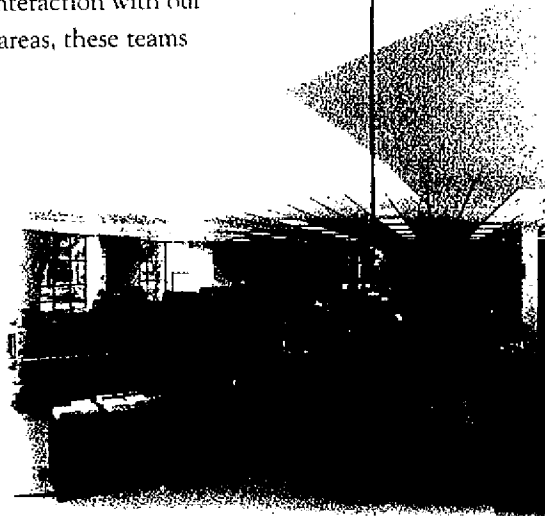
*3i* takes pride in building partnerships with our customers. The goal of all *3i* employees is to emphasize personal service to help the practitioner develop the best situation for the patient. We are a company that is owned and staffed by dental professionals including: dentists, dental assistants, hygienists, and lab technicians. *3i* Customer Service

Representatives are available by phone 12 hours a day to provide answers to both product-related and application questions. Clinicians are also on staff to assist with more advanced questions. *3i*'s commitment to the practitioner includes face-to-face interaction with our leading domestic and global sales teams. Servicing local and regional areas, these teams provide the latest in dental technology and knowledge.

## Recognized Leader in Design, Quality and Precision

Precision engineering and quality assurance have come to be synonymous with the *3i* name. We take pride in designing, developing, testing and manufacturing all *3i* products. *3i*'s product development program includes using Computer Aided Design (CAD) to facilitate life-like prototyping, as well as rigorous mechanical and clinical testing at every level. Our computer-driven calibration of the manufacturing process ensures precision production to design specifications. *3i*'s Total Quality Management initiatives are unmatched leading us toward zero defect programs. We are ISO9001-certified and have obtained the CE mark for distribution of implants within the European Economic Union.

*3i*'s material and engineering specifications set extremely tight manufacturing tolerances for more than 1,200 *3i* parts and components. A study published in *The International Journal of Prosthodontics* by Paul P. Binon, DDS, MSD, reported that *3i* achieves the greatest machining accuracy and consistency of any dental implant manufacturer, both within critical product components and throughout the entire system.



# INNOVATIVE PRODUCTS ANSWER CLINICAL NEEDS

3i has a history of engineering products which are clinical firsts. Advancements like the following have established 3i as the leading innovator in implant dentistry:

## OSSEOTITE® Surface for Increased Attachment Strength In Bone

3i threaded implants are available with the OSSEOTITE surface. The unique texture of the permanent OSSEOTITE surface achieves stronger attachment strength in bone, without the potential problems associated with coated implants.

The OSSEOTITE implant is the first "Hybrid" design that potentially optimizes hard and soft tissue response. The machined surface allows for soft tissue health, while the OSSEOTITE surface increases mechanical interlocking with bone. Shown to enhance performance in poor quality bone, the OSSEOTITE implant has a 96.6% overall success rate.

## ICE® Super Self-Tapping Design for Precise and Efficient Implant Placement

3i's ICE (Incremental Cutting Edge) design virtually eliminates the need for pre-tapping. This super self-tapping implant results in precise placement control and allows implants to be placed more efficiently, with less friction. The ICE design dramatically reduces treatment time.

## 3i Wide Diameter Implants: 25 Years of Success

3i Wide Diameter implants are designed for superior performance, and have demonstrated a 95.5% overall success rate in controlled clinical studies. This design provides for proper force distribution, a wide seating surface, a hex for non-rotation and an increased surface area. These biomechanical elements coupled with a full line of coordinating prosthetic components offer 3i Wide Diameter implants unmatched performance and longevity.

3i Wide Diameter implants are available in threaded and cylinder configurations. Threaded implants are available in 3i's Super Self-Tapping implant and the OSSEOTITE implant. Both are available in 4.5mm and 5.0mm diameters. Cylinder implants are also available in 5.0mm

## Single-Stage Surgery With Esthetics From 3i

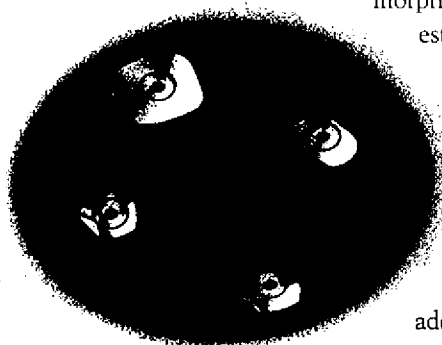
The 3i Implant System is the first two-stage implant system recognized for Single Stage Surgery. A 96% success rate was documented from a clinical study in which 100 3i implants using a non-submerged protocol and healing abutments were placed in a single-stage procedure. Using the same tools and surgical techniques as traditional Stage II Surgery, healing abutments, left fully exposed, are placed at Stage I Surgery to sculpt soft tissue during healing.

3i Single Stage Surgery with esthetics is made possible with EP Two-Piece Healing Abutments or GingiSCULPT Healing Abutments. Both two piece designs immediately engage the coronal hex of the implant, holding the component securely in place eliminating the potential of tissue entrapment during the Single Stage osseointegration process.

3i  
single  
stage  
surgery

## GingiSCULPT™ Healing Abutments Result In Natural Esthetics

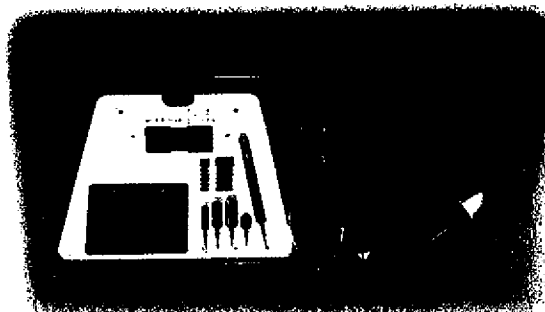
An extension of the popular 3i Emergence Profile (EP) system, GingiSCULPT Healing Abutments are available in small incisor, large incisor, premolar, and molar sizes. GingiSCULPT Healing Abutments mimic the gingival margins of natural tooth root morphology while preserving interproximal papillae for exceptional esthetic results.



GingiSCULPT Healing Abutments offer superior stability because they engage the coronal hex of the implant. As a result, the two-piece design virtually eliminates screw loosening and the complications of tissue entrapment. In addition, the 12-sided internal design allows buccal-lingual adjustment to follow the facial contours of the tooth. For added security, the O-ring provides a seal preventing fluid leakage into the implant's internal threads.

## 3i's OsseoFix™ Guided Bone Regeneration System Increases Placement Options

The OsseoFix system includes all the components needed to increase deficient and atrophic alveolar ridges with membrane and graft fixation for guided bone regeneration. The OsseoFix system includes microplates, screws, trephines, drills, microplate shaper/cutter, and an organizer tray in an autoclavable case.





***Impl***

11

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**MicroMiniplant (3.25/3.3mm)**

2

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**Miniplant (3.25/3.3mm)**

6

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**Standard Diameter (3.75mm)**

12

**Standard Diameter (4.0mm)**

16

---

**Wide Diameter (5.0mm)**

20

**Wide Diameter (6.0mm)**

24

# MICROMINIPLANT®

## 3.25mm Threaded, 3.3mm Cylinder

### IMPLANT INDICATIONS

#### Small Prosthetic Spaces

- Uses exclusive MicroMiniplant (3.4mm) prosthetic components
- 5.5mm minimum restorative space (when bone width is 4mm or less)

#### Recommended Placement:

Mandibular Central Incisors  
Mandibular Lateral Incisors  
Maxillary Lateral Incisors

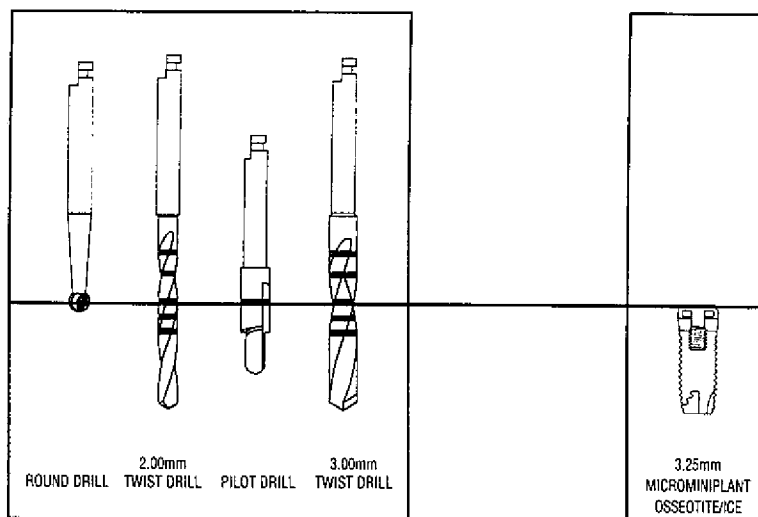
### SURGICAL INSTRUMENTATION

#### OSSEOTITE IMPLANTS AND ICE SUPER SELF-TAPPING IMPLANTS

Basic Surgical Kit for threaded implants - **SKT20**, see page 44

### DRILLING SEQUENCE - OSSEOTITE® AND ICE® THREADED

#### UniSystem Initial Drilling Sequence



*Note: For drill descriptions and ordering information, see Drill Section beginning on page 46*

#### DRILLING RECOMMENDATIONS

- Requires use of purple MicroMiniplant mount (MMC03 or MMC15)
- In soft bone, the 3.00mm drill may be substituted with a 2.75mm drill
- Tapping is virtually eliminated. At the clinician's discretion, a tap (MTAP1 or MTAP2) should be used in dense cortical bone
- Irrigation should be used during the drilling sequence

# MICROMINIPLANT®

## 3.25mm Threaded, 3.3mm Cylinder

### CLINICAL BENEFITS

#### 3.25mm Osseotite and ICE Threaded Implants

- Osseotite provides greater surface area and increased attachment strength in bone
- The exclusive ICE Incremental Cutting Edge design offers immediate engagement, efficient placement, and enhanced control

#### 3.3mm Cylinder Implant

- For use where vertical surgical access is limited
- TPS increases implant surface area
- Simple, fast procedure

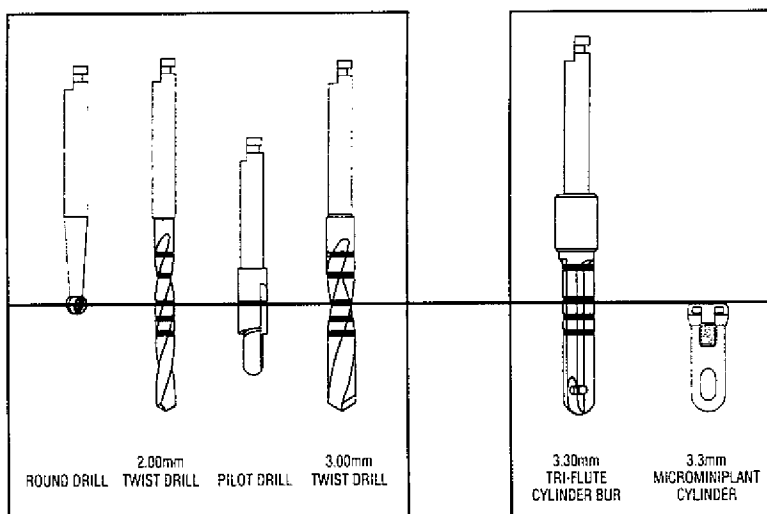
### SURGICAL INSTRUMENTATION

#### TPS CYLINDER IMPLANTS

Basic Surgical Kit for cylinder implants - **SKT25**, see page 45

### DRILLING SEQUENCE - CYLINDER

#### UniSystem Initial Drilling Sequence



*Note: For drill descriptions and ordering information, see Drill Section beginning on page 46*

#### DRILLING RECOMMENDATIONS

- Irrigation should be used during the drilling sequence

# MINIPLANT®

3.25mm Threaded, 3.3mm Cylinder

## IMPLANT INDICATIONS

### Narrow Ridges

- Provides buccal-lingual bone support of implant with the use of Standard Diameter (4.1mm) prosthetic components
- 7.0mm minimum restorative space (when bone width is 5mm or less)

### Recommended Placement:

Maxillary Lateral Incisors  
Maxillary Canines

Maxillary Premolars  
Mandibular Premolars

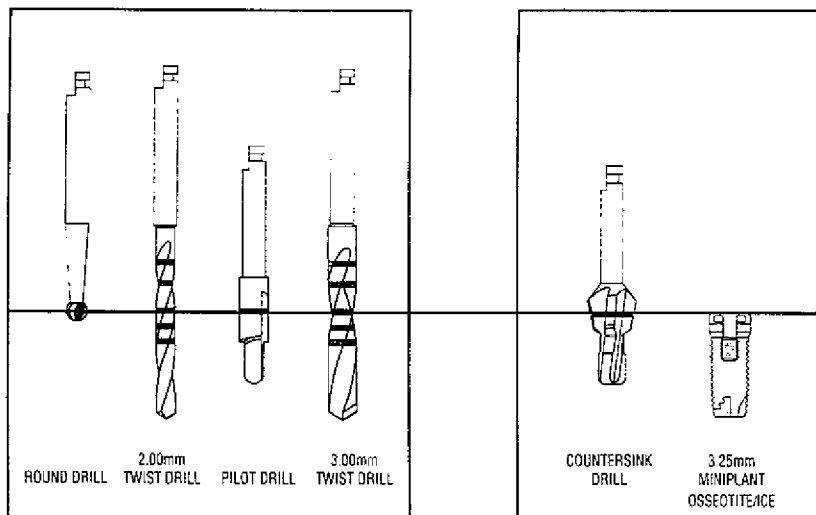
## SURGICAL INSTRUMENTATION

OSSEOTITE IMPLANTS AND ICE SUPER SELF-TAPPING IMPLANTS

Basic Surgical Kit for threaded implants - **SKT20**, see page 44

## DRILLING SEQUENCE - OSSEOTITE® AND ICE® THREADED

### UniSystem Initial Drilling Sequence



*Note: For drill descriptions and ordering information, see Drill Section beginning on page 46*

### DRILLING RECOMMENDATIONS

- In soft bone, the 3.00mm drill may be substituted with a 2.75mm drill
- Tapping is virtually eliminated. At the clinician's discretion, a tap (MTAP1 or MTAP2) should be used in dense cortical bone
- Supra-crestal implant placement eliminates countersinking
- Irrigation should be used during the drilling sequence

# MINIPLANT®

## 3.25mm Threaded, 3.3mm Cylinder

### CLINICAL BENEFITS

#### 3.25mm Osseotite and ICE Threaded Implants

- Osseotite surface provides greater surface area and increased attachment strength in bone
- The exclusive ICE Incremental Cutting Edge design offers immediate engagement, efficient placement, and enhanced control

#### 3.3mm Cylinder Implant

- For use where vertical surgical access is limited
- TPS increases implant surface area
- Simple, fast procedure

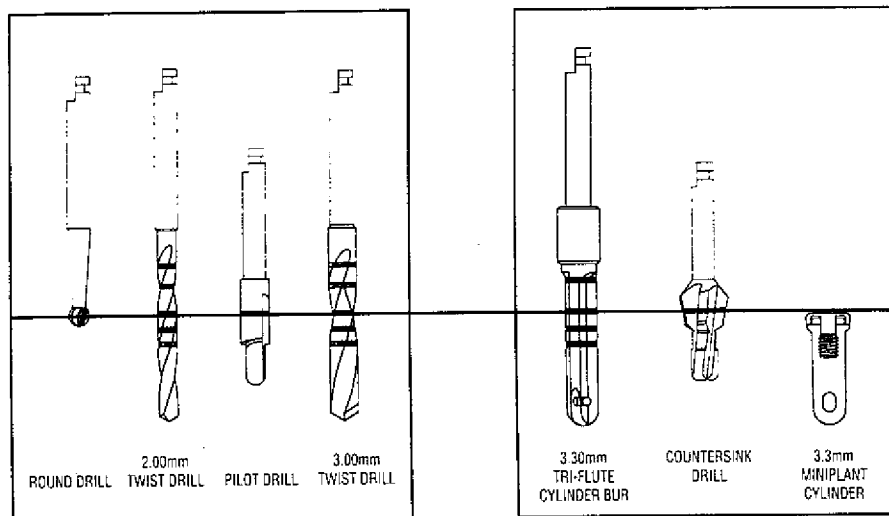
### SURGICAL INSTRUMENTATION

#### TPS CYLINDER IMPLANTS

Basic Surgical Kit for cylinder implants - SKT25, see page 45

### DRILLING SEQUENCE - CYLINDER

#### UniSystem Initial Drilling Sequence



**Note:** For drill descriptions and ordering information, see Drill Section beginning on page 46

#### DRILLING RECOMMENDATIONS

- Irrigation should be used during the drilling sequence
- Supra-crestal implant placement eliminates countersinking

# MINIPLANT®

## 3.25mm Threaded

### IMPLANTS

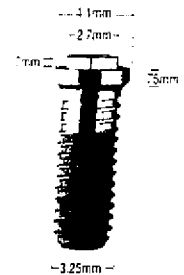
#### OSSEOTITE® IMPLANTS

##### Description:

- Implant Diameter: 3.25mm
- Seating Surface: 4.1mm
- External Hex Dimension: 2.7mm x .7mm
- Surface: Osseotite
- No-Touch pre-mounted packaging (including cover screw)

##### Clinical Benefits:

- Increases surface area by 39% over 3.25mm machined implants
- Hybrid design with integral, non-detachable surface reduces complications
- Increased attachment strength in bone
- ICE Super Self-Tapping feature



8.5mm	10mm	11.5mm	13mm	15mm	18mm
OS3285	OS3210	OS3211	OS3213	OS3215	OS3218

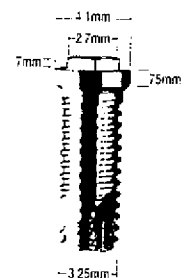
#### ICE® SUPER SELF-TAPPING IMPLANTS

##### Description:

- Implant Diameter: 3.25mm
- Seating Surface: 4.1mm
- External Hex Dimension: 2.7mm x .7mm
- Surface: Machined
- No-Touch pre-mounted packaging (including cover screw)

##### Clinical Benefits:

- Better control during placement
- Greater initial placement stability
- Virtually eliminates the need for pre-tapping



8.5mm	10mm	11.5mm	13mm	15mm
MH385	MH310	MH311	MH313	MH315

# MINIPLANT®

## 3.3mm Cylinder

### IMPLANTS

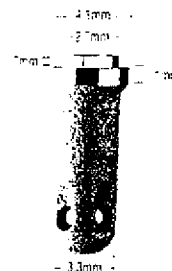
#### CYLINDER IMPLANTS (3.3mm)

##### Description:

- Implant Diameter: 3.3mm
- Seating Surface: 4.1mm
- External Hex Dimension: 2.7mm x .7mm
- Surface: TPS coating
- Packaged pre-mounted (including cover screw)

##### Clinical Benefits:

- For use where surgical access is limited
- TPS increases implant surface area
- Simple, fast procedure



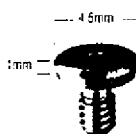
8.5mm	10mm	13mm	15mm
TH385	TH310	TH313	TH315

Miniplant

### MINIPLANT COVER SCREWS

#### IMPLANT COVER SCREW

- Included with all implants
- Patented friction fit hex driver allows carrying to the mouth



Single  
CSS37

#### HEADLESS COVER SCREW

- Reduced height
- For use when space limitations dictate
- Flared top prevents over seating



Single  
CSS27

*Note: See pages 32 and 33 for Miniplant Healing Abutment options*

See 3i Small Diameter Prosthetics Manual & Restorative Catalog for restorative options and components



# STANDARD DIAMETER

## 3.75mm/4.0mm Threaded

### IMPLANTS

---

#### **3i 4.0mm IMPLANTS:**

#### **A STRONG ALTERNATIVE TO 3.75mm IMPLANTS**

In the 1960's, the original endosseous implant research noted the use of a 3.5mm threaded titanium implant with an external hex. The size dimension was arbitrary based on the singular goal of restoring function. The implant's size had little relationship to the dental parameters of function, form and esthetics.

By 1983, the implant diameter had expanded to 3.75mm. Although the diameter had expanded, 3.75mm implants were still smaller than the prosthetics they supported. Currently, the 3.75mm diameter implant with a 4.1mm coronal seating surface is considered the industry standard with the 4.0mm implant as a "bail-out."

#### **3i IS THE FIRST TO INTRODUCE THE 4.0mm SUPER SELF-TAPPING IMPLANT**

Today, a number of choices exist that allow the clinician to match the implant diameter to the dimension of the restoration. As a result, the 3i 4.0mm OSSEOTITE and ICE implants are the logical substitution for the old 3.75mm implant design, especially in the posterior region.

While the 4.0mm implant has the same 4.1mm coronal dimension as the 3.75mm implant, it offers some significant strength advantages:

- The 4.0mm implant has 8% more surface area.
- The 4.0mm implant has a 26% greater wall thickness.
- The 4.0mm implant has 30% greater tensile strength.

# STANDARD DIAMETER

## 3.75mm/4.0mm Threaded

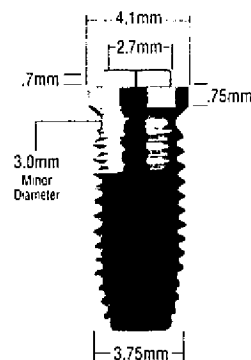
### IMPLANTS

#### 3i 4.0mm IMPLANTS: THE IMPROVED CHOICE

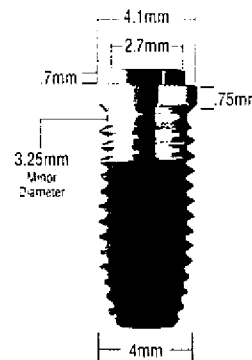
For implants that fit the width of the alveolar crest, the 3i 4.0mm OSSEOTITE and ICE implants should be considered the first, with the 3.75mm implant being the next alternative.

IMPLANT DIAMETER			
	3.75mm	4.0mm	% Change
Abutment Screw	2.0	2.0	—
External Minor Diameter at Implant Neck	3.0	3.25	+8%
Wall Thickness	0.5	0.63	+26%
Annular Area Loading (Max. Tensile Load)	1.787Ncm	2.313Ncm	+30%

OSSEOTITE IMPLANT  
3.75mm



OSSEOTITE IMPLANT  
4.0mm



*Note: See pages 16-17 for further benefits of using 4.0mm implants*

1 Branemark, P-I, B.O. Hansson, R. Adell, U. Brein, J. Lindstrom, O. Hallen, and A. Ohman, *Osseointegrated Implants in the Treatment of the Edentulous Jaw: Experience from a 10-Year Period*. Almqvist & Wiksell International, Stockholm, Sweden, 1977, p.31.

# STANDARD DIAMETER

## 3.75mm Threaded

### IMPLANT INDICATIONS

Implants that Fit the Width of the Alveolar Crest (5.0mm minimum crown dimension)

- Uses Standard Diameter (4.1mm) prosthetic components
- 7.0mm minimum restorative space

**Recommended Placement:**

Maxillary Laterals

Maxillary & Mandibular Premolars

Maxillary & Mandibular Canines

*Standard Diameter 4.0mm Implants are recommended. For further reference see pages 10, 11 and 16.*

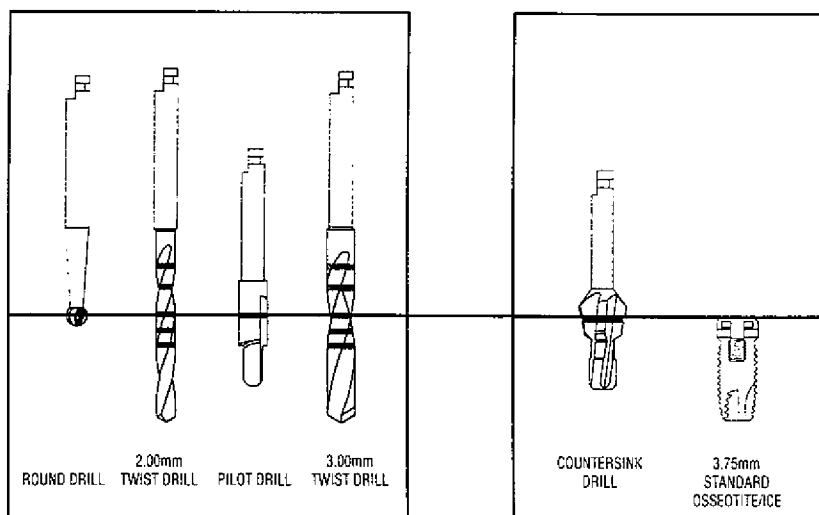
### SURGICAL INSTRUMENTATION

**OSSEOTITE IMPLANTS AND ICE SUPER SELF-TAPPING IMPLANTS**

Basic Surgical Kit for threaded implants - **SKT20**, see page 44

### DRILLING SEQUENCE - OSSEOTITE® AND ICE® SUPER SELF-TAPPING

**UniSystem Initial Drilling Sequence**



**Note:** For drill descriptions and ordering information, see Drill Section beginning on page 46

**DRILLING RECOMMENDATIONS**

- In dense cortical bone, the 3.00mm drill may be substituted with a 3.15mm drill
- Tapping is virtually eliminated. At the clinician's discretion, a tap (TAP10, TAP13 or TAP20) should be used in dense cortical bone
- Supra-crestal implant placement eliminates countersinking
- Irrigation should be used during the drilling sequence

# STANDARD DIAMETER

## 3.75mm Threaded

### CLINICAL BENEFITS

#### 3.75mm Osseotite and ICE Super Self-Tapping

- Osseotite surface provides greater surface area and increased attachment strength in bone
- The exclusive ICE Incremental Cutting Edge design offers immediate engagement, efficient placement, and enhanced control

#### 3.75mm ST Self-Tapping

- ST Self-Tapping implants have the original self-tapping design for Type 3 and 4 bone

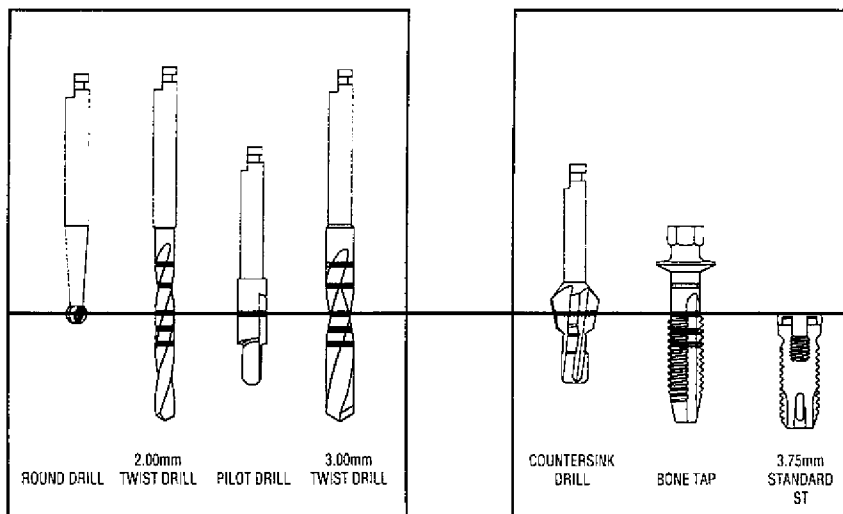
### SURGICAL INSTRUMENTATION

#### THREADED IMPLANTS

Basic Surgical Kit for threaded implants - SKT20, see page 44

### DRILLING SEQUENCE - ST SELF-TAPPING

#### UniSystem Initial Drilling Sequence



**Note:** For drill descriptions and ordering information, see Drill Section beginning on page 46

#### DRILLING RECOMMENDATIONS

- Tapping is required in Type 1 and 2 bone with an ST implant
- Supra-crestal implant placement eliminates countersinking
- Irrigation should be used during the drilling sequence

# STANDARD DIAMETER

## 3.75mm Threaded

### IMPLANTS

#### OSSEOTITE® IMPLANTS

##### Description:

- Implant Diameter: 3.75mm
- Seating Surface: 4.1mm
- External Hex Dimension: 2.7mm x .7mm
- Surface: Osseotite
- No-Touch pre-mounted packaging (including cover screw)

##### Clinical Benefits:

- Increases surface area by 39% over 3.75mm machined implants
- Hybrid design with integral, non-detachable surface reduces complications
- Increased attachment strength in bone
- ICE Super Self-Tapping feature



8.5mm	10mm	11.5mm	13mm	15mm	18mm	20mm
OSS385	OSS310	OSS311	OSS313	OSS315	OSS318	OSS320

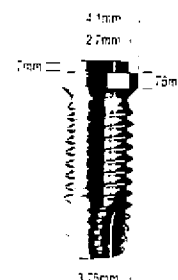
#### ICE® SUPER SELF-TAPPING IMPLANTS

##### Description:

- Implant Diameter: 3.75mm
- Seating Surface: 4.1mm
- External Hex Dimension: 2.7mm x .7mm
- Surface: Machined
- No-Touch pre-mounted packaging (including cover screw)

##### Clinical Benefits:

- Better control during placement
- Greater initial placement stability
- Virtually eliminates the need for pre-tapping



8.5mm	10mm	11.5mm	13mm	15mm	18mm	20mm
ICE385	ICE310	ICE311	ICE313	ICE315	ICE318	ICE320

# STANDARD DIAMETER

## 3.75mm Threaded

### IMPLANTS

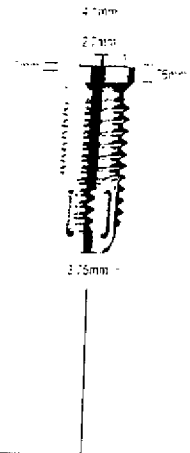
#### ST SELF-TAPPING THREADED IMPLANTS

##### Description:

- Implant Diameter: 3.75mm
- Seating Surface: 4.1mm
- External Hex Dimension: 2.7mm x .7mm
- Surface: Machined
- No-Touch pre-mounted packaging (including cover screw)

##### Clinical Benefits:

- May eliminate tapping in soft (Type 3 and 4) bone



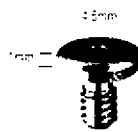
8.5mm ST385	10mm ST310	13mm ST313	15mm ST315	18mm ST318	20mm ST320
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*Note: The traditional Standard Diameter Implant (II) is available upon request*

### STANDARD DIAMETER COVER SCREWS

#### IMPLANT COVER SCREW

- Included with all implants
- Patented friction fit hex driver allows carrying to the mouth



Single  
CSS37

#### HEADLESS COVER SCREW

- Reduced height
- For use when space limitations dictate
- Flared top prevents over seating



Single  
CSS27

*Note: See pages 32 and 33 for Standard Diameter Healing Abutment options*

See 3i Standard Diameter EP Prosthetics Manual & Restorative Catalog for restorative options and components

# STANDARD DIAMETER

## 4.0mm Threaded, 4.0mm Cylinder

### IMPLANT INDICATIONS

Implants that Fit the Width of the Alveolar Crest (5.0mm minimum crown dimension)

- Uses Standard Diameter (4.1mm) prosthetic components
- 7.0mm minimum restorative space

#### Recommended Placement:

Maxillary Laterals

Maxillary & Mandibular Premolars

Maxillary & Mandibular Canines

*See pages 10 and 11 for further benefits of using 4.0mm implants.*

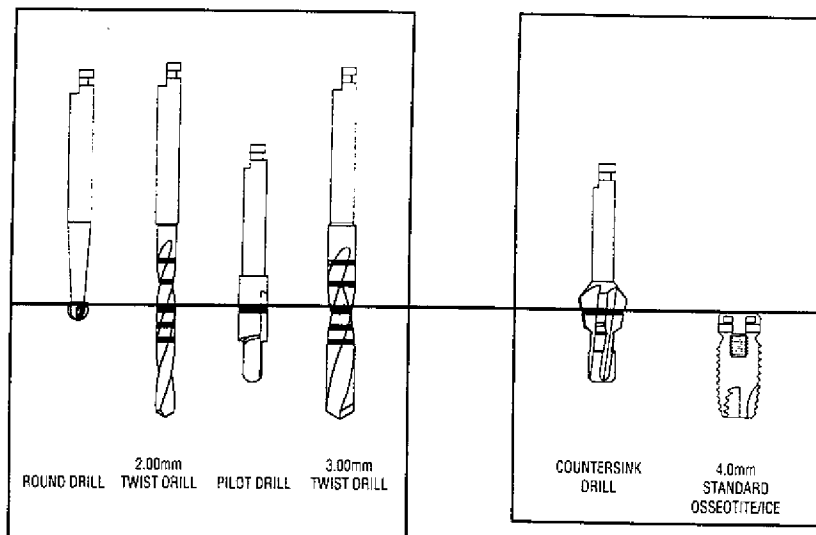
### SURGICAL INSTRUMENTATION

#### OSSEOTITE IMPLANTS AND ICE SUPER SELF-TAPPING IMPLANTS

Basic Surgical Kit for threaded implants - SKT20, see page 44

### DRILLING SEQUENCE - OSSEOTITE® AND ICE® THREADED

#### UniSystem Initial Drilling Sequence



**Note:** For drill descriptions and ordering information, see Drill Section beginning on page 46

#### DRILLING RECOMMENDATIONS

- In dense cortical bone, the 3.00mm drill may be substituted with a 3.25mm drill
- Tapping is virtually eliminated. At the clinician's discretion, a tap (TAP10, TAP13 or TAP20) should be used in dense cortical bone
- Supra-crestal implant placement eliminates countersinking
- Irrigation should be used during the drilling sequence

# STANDARD DIAMETER

## 4.0mm Threaded, 4.0mm Cylinder

### CLINICAL BENEFITS

#### 4.0mm Osseotite and ICE Threaded Implants

- Osseotite provides greater surface area and increased attachment strength in bone
- The exclusive ICE Incremental Cutting Edge design offers immediate engagement, efficient placement, and enhanced control

#### 4.0mm Cylinder Implant

- For use where vertical surgical access is limited
- TPS increases implant surface area
- Simple, fast procedure

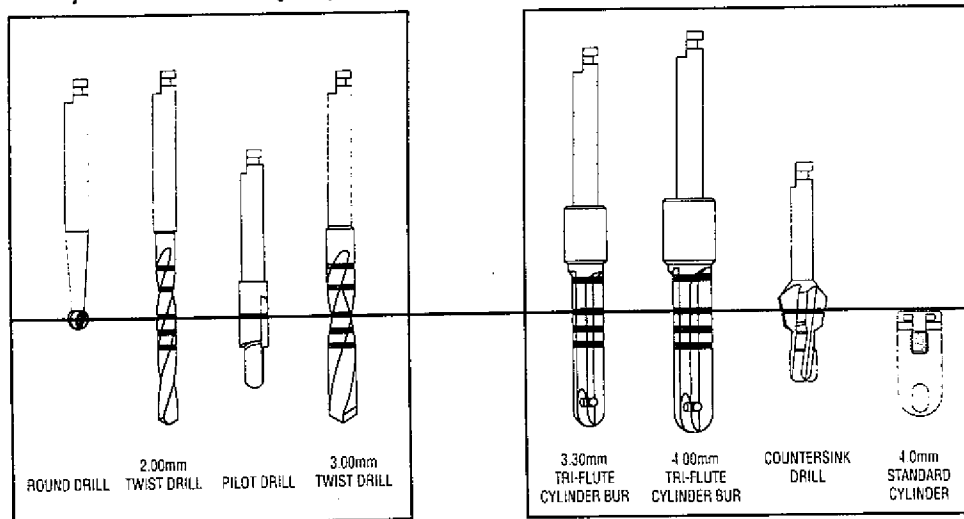
### SURGICAL INSTRUMENTATION

#### TPS CYLINDER IMPLANTS

Basic Surgical Kit for cylinder implants - SKT25, see page 45

### DRILLING SEQUENCE - CYLINDER

#### UniSystem Initial Drilling Sequence



**Note:** For drill descriptions and ordering information, see Drill Section beginning on page 46

#### DRILLING RECOMMENDATIONS

- Supra-crestal implant placement eliminates countersinking
- Irrigation should be used during the drilling sequence



# STANDARD DIAMETER

## 4.0mm Threaded

### IMPLANTS

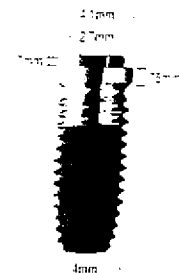
#### OSSEOTITE® IMPLANTS

##### Description:

- Implant Diameter: 4.0mm
- Seating Surface: 4.1mm
- External Hex Dimension: 2.7mm x .7mm
- Surface: Osseotite
- No-Touch pre-mounted packaging (including cover screw)

##### Clinical Benefits:

- Increases surface area by 39% over 4.0mm machined implants
- Hybrid design with integral, non-detachable surface reduces complications
- Increased attachment strength in bone
- ICE Super Self-Tapping feature



8.5mm	10mm	11.5mm	13mm	15mm	18mm	20mm
OSS485	OSS410	OSS411	OSS413	OSS415	OSS418	OSS420

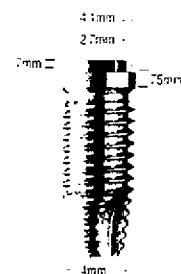
#### ICE® SUPER SELF-TAPPING IMPLANTS

##### Description:

- Implant Diameter: 4.0mm
- Seating Surface: 4.1mm
- External Hex Dimension: 2.7mm x .7mm
- Surface: Machined
- No-Touch pre-mounted packaging (including cover screw)

##### Clinical Benefits:

- Better control during placement
- Greater initial placement stability
- Virtually eliminates the need for pre-tapping



8.5mm	10mm	11.5mm	13mm	15mm	18mm	20mm
ICE485	ICE410	ICE411	ICE413	ICE415	ICE418	ICE420

*Note: The traditional Standard Diameter Implant (II) is available upon request*

4.0mm threaded implants have 8% more surface area and 26% greater wall thickness when compared to 3.75mm threaded implants.

# STANDARD DIAMETER

## 4.0mm Cylinder

### IMPLANTS

#### CYLINDER IMPLANTS (4.0mm)

##### Description:

- Implant Diameter: 4.0mm
- Seating Surface: 4.1mm
- External Hex Dimension: 2.7mm x .7mm
- Surface: TPS coating
- Packaged pre-mounted (including cover screw)

##### Clinical Benefits:

- For use where vertical surgical access is limited
- TPS increases implant surface area
- Simple, fast procedure

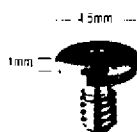


7mm TP407	8.5mm TP485	10mm TP410	13mm TP413	15mm TP415	18mm TP418
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### STANDARD DIAMETER COVER SCREWS

#### IMPLANT COVER SCREW

- Included with all implants
- Patented friction fit hex driver allows carrying to the mouth



Single  
CSS37

#### HEADLESS COVER SCREW

- Reduced height
- For use when space limitations dictate
- Flared top prevents over seating



Single  
CSS27

*Note: See pages 32 and 33 for Standard Diameter Healing Abutment options*

See 3i Standard Diameter EP Prosthetics Manual & Restorative Catalog for restorative options and components

# WIDE DIAMETER

## 5.0mm Threaded, 5.0mm Cylinder

### IMPLANT INDICATIONS

Areas of Poor Bone Quality, Limited Bone Height, and High Occlusal Stress

- Uses Wide Diameter (5.0mm) prosthetic components
- 7.5mm minimum restorative space

Recommended Placement:

Maxillary & Mandibular Molars  
Unilateral Posterior Quadrants  
Maxillary Central Incisors

Maxillary & Mandibular Canines  
Beneath the Sinus or above  
the Mandibular Nerve

### SURGICAL INSTRUMENTATION

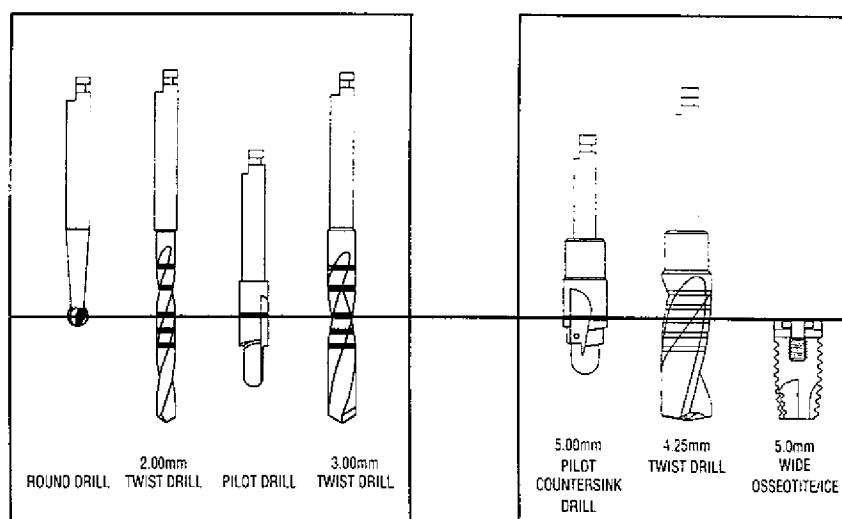
OSSEOTITE IMPLANTS AND ICE SUPER SELF-TAPPING IMPLANTS

Basic Surgical Kit for threaded implants - **SKT20**, see page 44

Supplementary Surgical Kit for Wide Diameter threaded implants - **SKT22**, see page 44

### DRILLING SEQUENCE - OSSEOTITE® AND ICE® THREADED

UniSystem Initial Drilling Sequence



*Note: For drill descriptions and ordering information, see Drill Section beginning on page 46*

#### DRILLING RECOMMENDATIONS

- Countersinking (CD500) may be required based on bone and space considerations
- Supra-crestal implant placement eliminates countersinking
- The ICE design virtually eliminates tapping in most common wide diameter sites
- Irrigation should be used during the drilling sequence

# WIDE DIAMETER

## 5.0mm Threaded, 5.0mm Cylinder

### CLINICAL BENEFITS

#### 5.0mm Osseotite and ICE Threaded Implants

- Osseotite provides greater surface area and increased attachment strength in bone
- The exclusive ICE Incremental Cutting Edge design offers immediate engagement, efficient placement, and enhanced control

#### 5.0mm Cylinder Implant

- For use where vertical surgical access is limited
- TPS increases implant surface area
- Simple, fast procedure

### SURGICAL INSTRUMENTATION

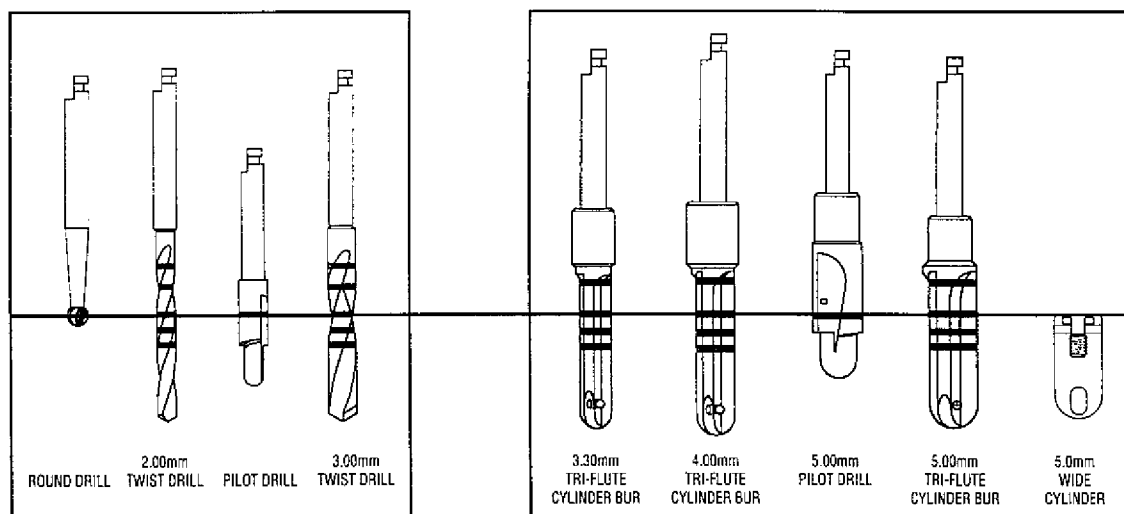
#### TPS CYLINDER IMPLANTS

Basic Surgical Kit for cylinder implants - **SKT25**, see page 45

Supplementary Surgical Kit for Wide Diameter cylinder implants - **SKT24**, see page 45

### DRILLING SEQUENCE - CYLINDER

#### UniSystem Initial Drilling Sequence



*Note: For drill descriptions and ordering information, see Drill Section beginning on page 46*

#### DRILLING RECOMMENDATIONS

Irrigator should be used during the drilling sequence

# WIDE DIAMETER

## 5.0mm Threaded

### IMPLANTS

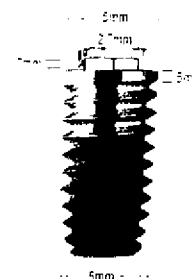
#### OSSEOTITE<sup>®</sup> IMPLANTS

##### Description:

- Implant Diameter: 5.0mm
- Seating Surface: 5.0mm
- External Hex Dimension: 2.7mm x .7mm
- Surface: Osseorite
- No-Touch pre-mounted packaging (including cover screw)

##### Clinical Benefits:

- Increases surface area by 39% over 5.0mm machined implants
- Hybrid design with integral, non-detachable surface reduces complications
- Increased attachment strength in bone
- ICE Super Self-Tapping feature



7mm	8.5mm	10mm	11.5mm	13mm	15mm	18mm
OSS507	OSS585	OSS510	OSS511	OSS513	OSS515	OSS518

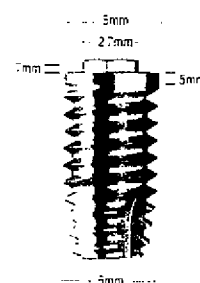
#### ICE<sup>®</sup> SUPER SELF-TAPPING IMPLANTS

##### Description:

- Implant Diameter: 5.0mm
- Seating Surface: 5.0mm
- External Hex Dimension: 2.7mm x .7mm
- Surface: Machined
- No-Touch pre-mounted packaging (including cover screw)

##### Clinical Benefits:

- Better control during placement
- Greater initial placement stability
- Virtually eliminates the need for pre-tapping



7mm	8.5mm	10mm	11.5mm	13mm	15mm	18mm
ICE507	ICE585	ICE510	ICE511	ICE513	ICE515	ICE518

# WIDE DIAMETER 5.0mm Cylinder

## IMPLANTS

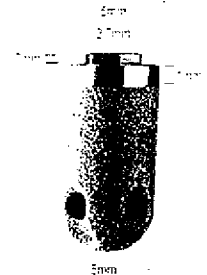
### CYLINDER IMPLANTS

#### Description:

- Implant Diameter: 5.0mm
- Seating Surface: 5.0mm
- External Hex Dimension: 2.7mm x .7mm
- Surface: TPS coating
- Packaged pre-mounted (including cover screw)

#### Clinical Benefits:

- For use where vertical surgical access is limited
- TPS increases implant surface area
- Simple, fast procedure

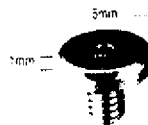


7mm TP507	8.5mm TP585	10mm TP510	13mm TP513
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## WIDE DIAMETER COVER SCREW

### IMPLANT COVER SCREW

- Included with all implants
- Patented friction fit hex driver allows carrying to the mouth



Single  
CS500

### HEADLESS COVER SCREW

- Reduced height
- For use when space limitations dictate
- Flared top prevents over seating



Single  
CSS27

*Note: See pages 34 and 35 for Wide Diameter (5.0mm) Healing Abutment options*

See 3i Wide Diameter Prosthetics Manual & Restorative Catalog for restorative options and components

# WIDE DIAMETER

## 6.0mm Threaded, 6.0mm Cylinder

### IMPLANT INDICATIONS

Areas of Poor Bone Quality, Limited Bone Height, and High Occlusal Stress

- Uses Wide Diameter (6.0mm) prosthetic components
- 8.5mm minimum restorative space

Recommended Placement:

Maxillary & Mandibular Molars  
Unilateral Posterior Quadrants  
Maxillary Central Incisors

Maxillary & Mandibular Canines  
Beneath the Sinus or above  
the Mandibular Nerve

### SURGICAL INSTRUMENTATION

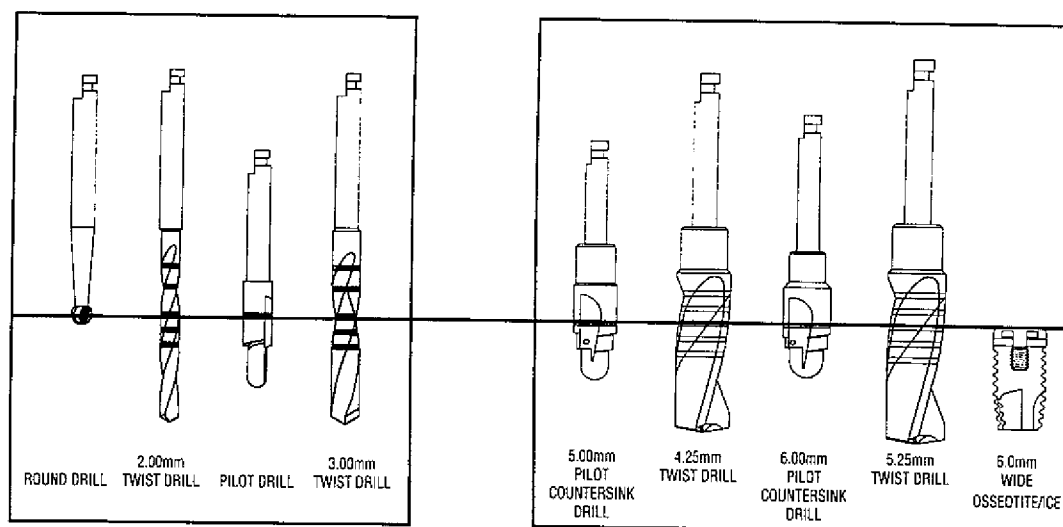
OSSEOTITE IMPLANTS AND ICE SUPER SELF-TAPPING IMPLANTS

Basic Surgical Kit for threaded implants - **SKT20**, see page 44

Supplementary Surgical Kit for Wide Diameter threaded implants - **SKT22**, see page 44

### DRILLING SEQUENCE - OSSEOTITE® AND ICE® THREADED

UniSystem Initial Drilling Sequence



*Note: For drill descriptions and ordering information, see Drill Section beginning on page 46*

#### DRILLING RECOMMENDATIONS

- Countersinking (CD600) may be required based on bone and space considerations
- Supra-crestal implant placement eliminates countersinking
- The ICE design virtually eliminates tapping in most common wide diameter sites
- Irrigation should be used during the drilling sequence

# WIDE DIAMETER 6.0mm Threaded, 6.0mm Cylinder

## CLINICAL BENEFITS

### 6.0mm Osseotite and ICE Threaded Implant

- Osseotite provides greater surface area and increased attachment strength in bone
- The exclusive ICE Incremental Cutting Edge design offers immediate engagement, efficient placement, and enhanced control

### 6.0mm Cylinder Implant

- For use where vertical surgical access is limited
- TPS increases implant surface area
- Simple, fast procedure

## SURGICAL INSTRUMENTATION

### TPS CYLINDER IMPLANTS

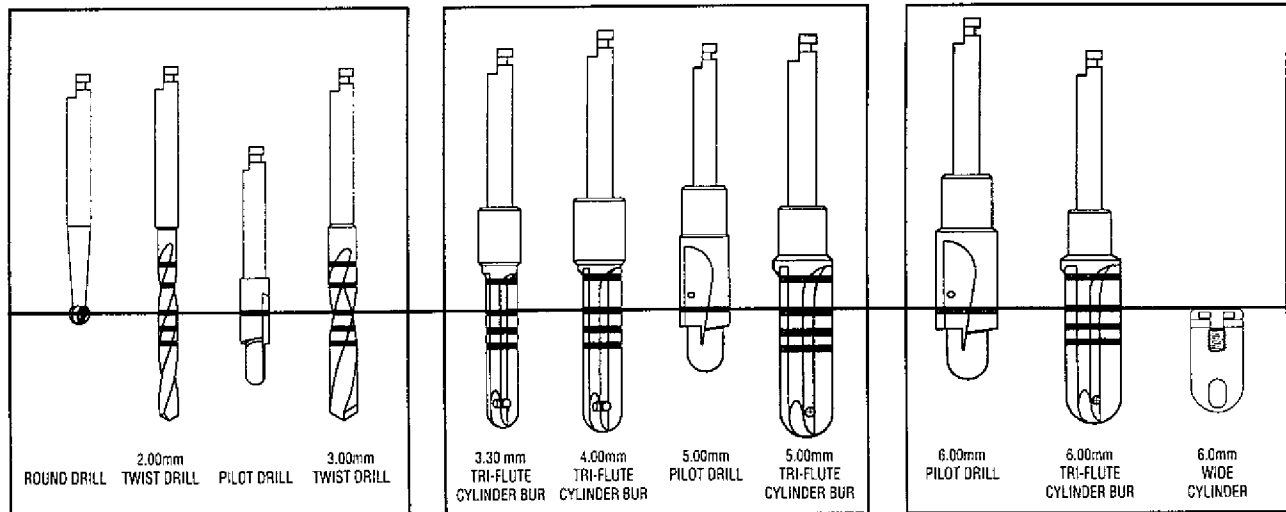
Basic Surgical Kit for cylinder implants - **SKT25**, see page 45

Supplementary Surgical Kit for Wide Diameter cylinder implants - **SKT24**, see page 45

Wide Diameter  
6.0mm

## DRILLING SEQUENCE - CYLINDER

### UniSystem Initial Drilling Sequence



*Note: For drill descriptions and ordering information, see Drill Section beginning on page 46*

### DRILLING RECOMMENDATIONS

- Irrigation should be used during the drilling sequence



# WIDE DIAMETER 6.0mm Threaded IMPLANTS

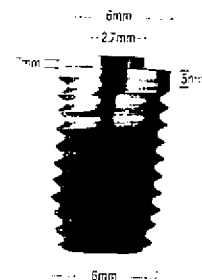
## OSSEOTITE<sup>®</sup> IMPLANTS

### Description:

- Implant Diameter: 6.0mm
- Seating Surface: 6.0mm
- External Hex Dimension: 2.7mm x .7mm
- Surface: Osseotite
- No-Touch pre-mounted packaging (including cover screw)

### Clinical Benefits:

- Increases surface area by 39% over 6.0mm machined implants
- Hybrid design with integral, non-detachable surface reduces complications
- Increased attachment strength in bone
- ICE Super Self-Tapping feature



7mm OSS607	8.5mm OSS685	10mm OSS610	11.5mm OSS611	13mm OSS613	15mm OSS615	18mm OSS618
---------------	-----------------	----------------	------------------	----------------	----------------	----------------

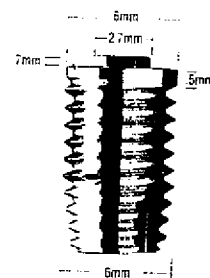
## ICE<sup>®</sup> SUPER SELF-TAPPING IMPLANTS

### Description:

- Implant Diameter: 6.0mm
- Seating Surface: 6.0mm
- External Hex Dimension: 2.7mm x .7mm
- Surface: Machined
- No-Touch pre-mounted packaging (including cover screw)

### Clinical Benefits:

- Better control during placement
- Greater initial placement stability
- Virtually eliminates the need for pre-tapping



7mm ICE607	8.5mm ICE685	10mm ICE610	11.5mm ICE611	13mm ICE613	15mm ICE615	18mm ICE618
---------------	-----------------	----------------	------------------	----------------	----------------	----------------

# WIDE DIAMETER 6.0mm Cylinder

## IMPLANTS

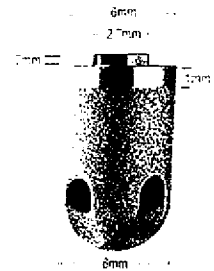
### CYLINDER IMPLANTS

#### Description:

- Implant Diameter: 6.0mm
- Seating Surface: 6.0mm
- External Hex Dimension: 2.7mm x .7mm
- Surface: TPS Coating
- Packaged pre-mounted (including cover screw)

#### Clinical Benefits:

- For use where vertical surgical access is limited
- TPS increases implant surface area
- Simple, fast procedure



7mm  
TP607

8.5mm  
TP685

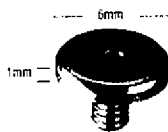
10mm  
TP610

13mm  
TP613

## WIDE DIAMETER COVER SCREW

### IMPLANT COVER SCREW

- Included with all implants
- Patented friction fit hex driver allows carrying to the mouth



Single  
CS600

### HEADLESS COVER SCREW

- Reduced height
- For use when space limitations dictate
- Flared top prevents over seating



Single  
CSS27

*Note: See pages 36 and 37 for Wide Diameter (6.0mm) Healing Abutment options*

See 3i Wide Diameter Prosthetics Manual & Restorative Catalog for restorative options and components

Wide Diameter  
6.0mm

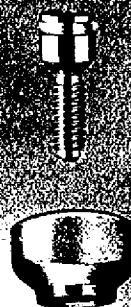
# ***EP H Abutment***



***EP One-Piece  
Healing Abutment***



***EP Two-Piece  
Healing Abutment***



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**MicroMiniplant Healing Abutments (3.25/3.3mm) 31**

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**Miniplant Healing Abutments (3.25/3.3mm) 32**  
**Standard Diameter Healing Abutments (3.75/4.0mm)**

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**Wide Diameter Healing Abutments (5.0mm) 34**

**Wide Diameter Healing Abutments (6.0mm) 36**

# HEALING ABUTMENTS

## 3i EP HEALING ABUTMENTS

### FOLLOWING THE EP™ CONCEPT FOR EXCEPTIONAL RESULTS

All 3i Healing Abutments follow the Emergence Profile concept. The EP concept indicates the use of tooth-sized healing abutments that guide soft tissue to a natural tissue flare. The results are more precise restorations, better access for oral hygiene, and improved esthetics. The final outcome is a more natural restoration with proper soft tissue emergence. In essence, the natural tooth is replicated rather than just replaced.



## 3i EP HEALING ABUTMENTS

### EP One-Piece Healing Abutments

EP One-Piece Healing Abutments are the original components of the Emergence Profile System for traditional Stage II Surgery. These components form soft tissue to provide more esthetic restorations. EP One-Piece Healing Abutments are available in three anatomic dimensions.

### EP Two-Piece Healing Abutments

EP Two-Piece Healing Abutments engage the coronal hex of the implant, decreasing screw loosening and tissue entrapment. These two-piece components can be used for traditional Stage II Surgery or 3i Single Stage Surgery with the same esthetic results. EP Two-Piece Healing Abutments are available in three anatomic dimensions.

### GINGISCULPT™ Healing Abutments

GingiSCULPT Healing Abutments engage the coronal hex of the implant, decreasing screw loosening and tissue entrapment. These two-piece components can be used for traditional Stage II Surgery or 3i Single Stage Surgery with the same esthetic results. GingiSCULPT Healing Abutments are available in four anatomic shapes to mimic natural tooth root morphology.

# HEALING ABUTMENTS

## For MicroMiniplant 3.25/3.3mm Implants

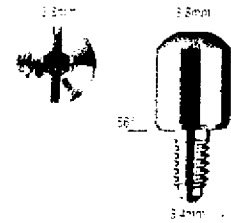
### EP HEALING ABUTMENTS

---

#### EP ONE-PIECE HEALING ABUTMENTS

For Stage II Surgery

- Maintain tissue opening for establishing proper Emergence Profile
- 3.8mm diameter (profile) allows for small prosthetic restorations
- Polished titanium surface for excellent tissue acceptance



2mm	4mm	6mm
MHA32	MHA34	MHA36

*Note: 3i Bone Profilers may be needed to contour bone to allow proper seating of abutment, see page 63*

# HEALING ABUTMENTS

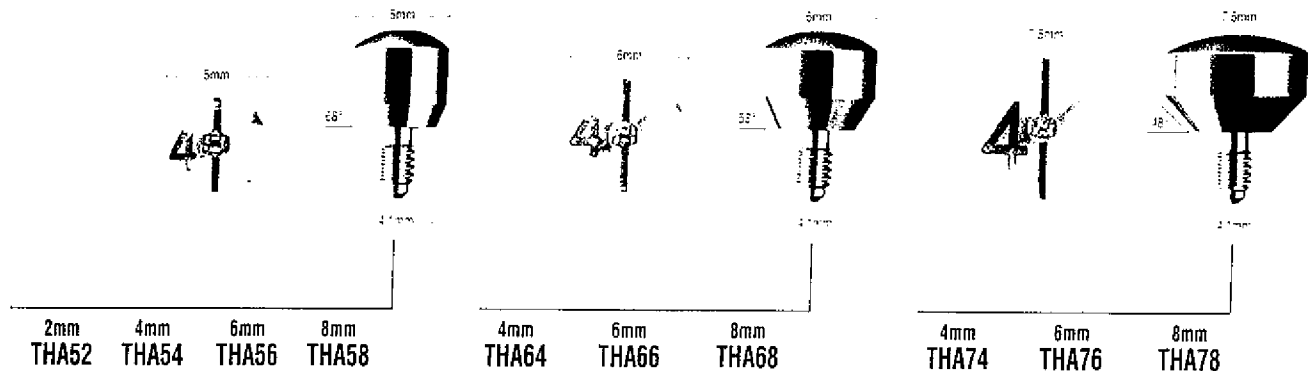
For Miniplant 3.25/3.3mm, Standard 3.75/4.0mm Implants

## EP HEALING ABUTMENTS

### EP ONE-PIECE HEALING ABUTMENTS

For Stage II Surgery

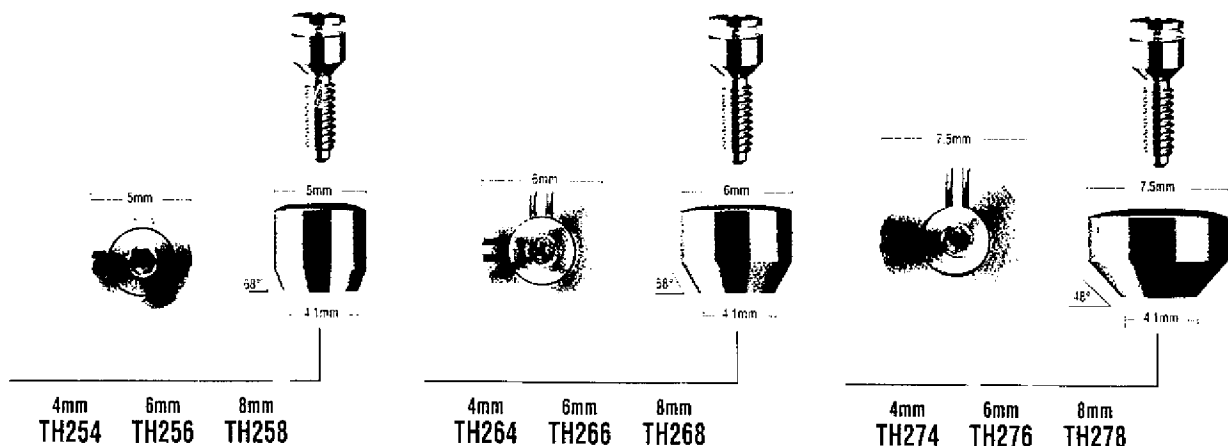
- The original components of the Emergence Profile (EP) System
- Allows guided soft tissue healing to provide more esthetic restorations
- Available in three anatomic dimensions
- Numbers on occlusal surface designate abutment trans-tissue height
- Polished titanium surface for excellent tissue acceptance



### EP TWO-PIECE HEALING ABUTMENTS

For Single Stage Surgery or Stage II Surgery

- Recommended for *3i* Single Stage, non-submerged protocol with conventional two stage *3i* UniSystem
- Two-piece design engages hex for superior stability without loosening
- Allows guided soft tissue healing to provide more esthetic restorations
- Available in three anatomic dimensions
- Occlusal identification marks designate abutment trans-tissue height
- O-ring on screw prevents fluid leakage into implant's internal threads
- Polished titanium surface for excellent tissue acceptance



# HEALING ABUTMENTS

For Miniplant 3.25/3.3mm, Standard 3.75/4.0mm Implants

## GINGISCULPT™ HEALING ABUTMENTS

### GINGISCULPT™ HEALING ABUTMENTS

For Single Stage or Stage II Surgery

- Recommended for 3i Single Stage, non-submerged protocol with conventional two stage 3i UniSystem
- Two-piece design engages hex for superior stability without loosening
- Exceptional esthetics
- Four anatomic shapes to mimic natural tooth root morphology
- Twelve sided internal design allows buccal-lingual adjustment to follow the facial contours of the tooth
- Multi-functional design guides soft tissue and doubles as impression coping
- Polished titanium surface for excellent tissue acceptance

#### Large Incisor

Cylinder & Screw

6.6mm



4mm  
SALI4

#### Small Incisor

Cylinder & Screw

5.6mm



4mm  
SASI4

#### Premolar

Cylinder & Screw

4.6mm



4mm  
SABC4

#### Molar

Cylinder & Screw

6.5mm



4mm  
SAM04

Healing  
Abutments

*Note: 3i Bone Profilers are required with GingiSCULPT Healing Abutments, see page 63*

See 3i Restorative Catalog & GingiSCULPT Brochure for restorative options and components



# HEALING ABUTMENTS

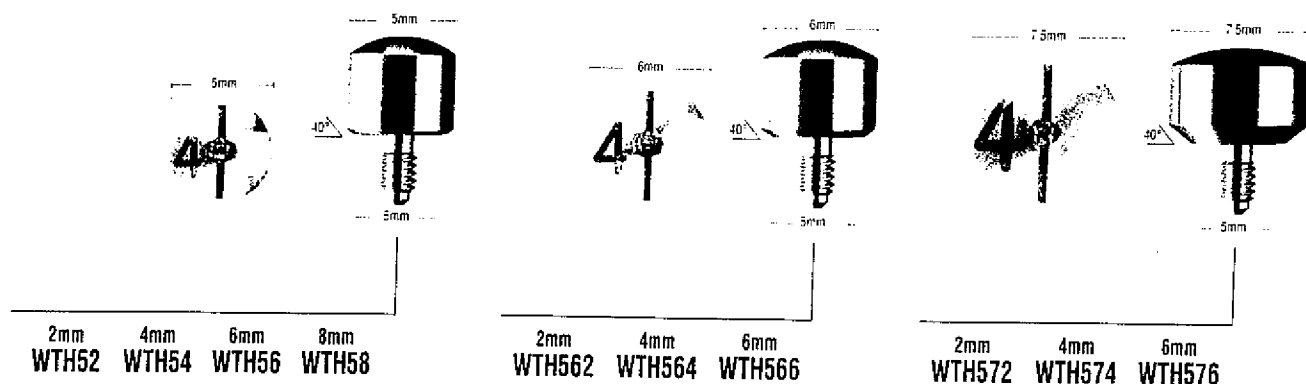
## For Wide Diameter 5.0mm Implants

### EP HEALING ABUTMENTS

#### EP ONE-PIECE HEALING ABUTMENTS

For Stage II Surgery

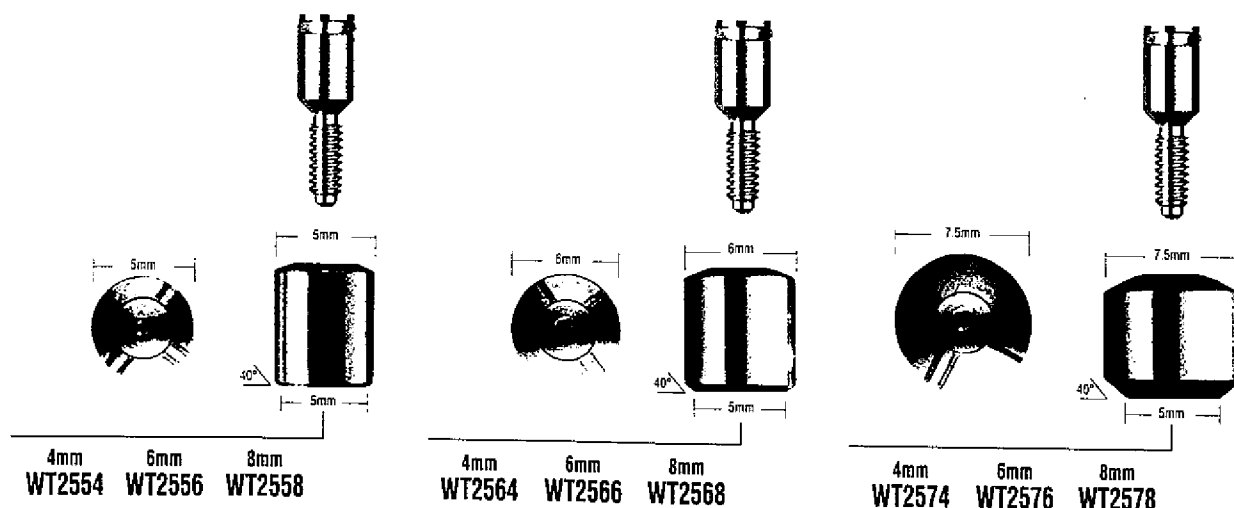
- The original components of the Emergence Profile (EP) System
- Allows guided soft tissue healing to provide more esthetic restorations
- Available in three anatomic dimensions
- Numbers on occlusal surface designate abutment height
- Polished titanium surface for excellent tissue acceptance



#### EP TWO-PIECE HEALING ABUTMENTS

For Single Stage Surgery or Stage II Surgery

- Recommended for *3i* Single Stage, non-submerged protocol with conventional two stage *3i* UniSystem
- Two-piece design engages hex for superior stability without loosening
- Allows guided soft tissue healing to provide more esthetic restorations
- Available in three anatomic dimensions
- Occlusal identification marks designate abutment trans-tissue height
- O-ring on screw prevents fluid leakage into implant's internal threads
- Polished titanium surface for excellent tissue acceptance



# HEALING ABUTMENTS

## For Wide Diameter 5.0mm Implants

### GINGISCULPT™ HEALING ABUTMENTS

#### GINGISCULPT™ HEALING ABUTMENTS

For Single Stage or Stage II Surgery

- Recommended for *3i* Single Stage, non-submerged protocol with conventional two stage *3i* UniSystem
- Two-piece design engages hex for superior stability without loosening
- Exceptional esthetics
- Two anatomic shapes to mimic natural tooth root morphology
- Twelve sided internal design allows buccal-lingual adjustment to follow the facial contours of the tooth
- Multi-functional design guides soft tissue and doubles as impression coping
- Polished titanium surface for excellent tissue acceptance

#### Large Incisor

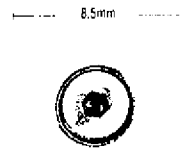
Cylinder & Screw



4mm  
SAL54

#### Molar

Cylinder & Screw



4mm  
SAM54

*Note: 3i Bone Profilers are required with GingiSCULPT Healing Abutments, see page 63*

See *3i* Restorative Catalog & GingiSCULPT Brochure for restorative options and components

# HEALING ABUTMENTS

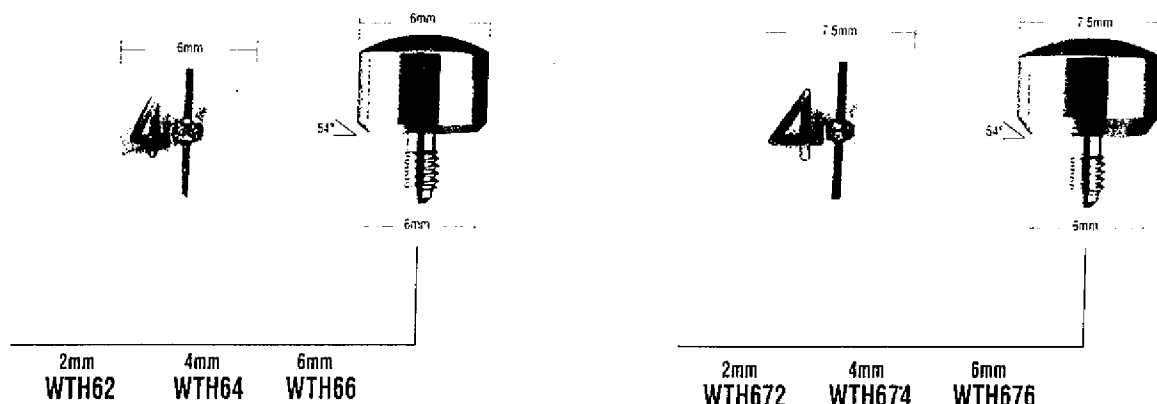
For Wide Diameter 6.0mm Implants

## EP HEALING ABUTMENTS

### EP ONE-PIECE HEALING ABUTMENTS

Stage II Surgery

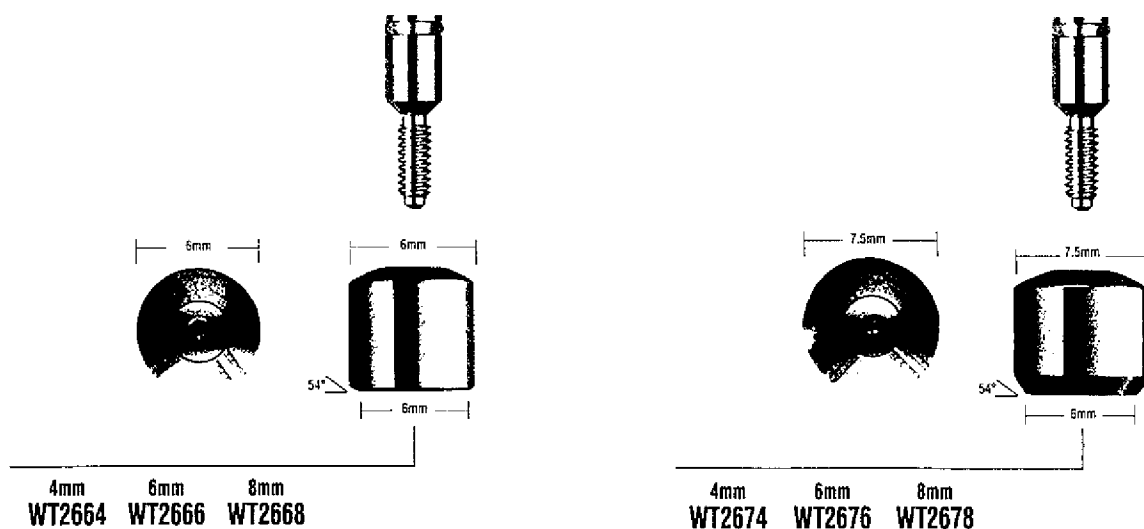
- The original components of the Emergence Profile (EP) System
- Allows guided soft tissue healing to provide more esthetic restorations
- Available in three anatomic dimensions
- Numbers on occlusal surface designate abutment height
- Polished titanium surface for excellent tissue acceptance



### EP TWO-PIECE HEALING ABUTMENTS

For Single Stage Surgery or Stage II Surgery

- Recommended for *3i* Single Stage, non-submerged protocol with conventional two stage *3i* UniSystem
- Two-piece design engages hex for superior stability without loosening
- Allows guided soft tissue healing to provide more esthetic restorations
- Available in three anatomic dimensions
- Occlusal identification marks designate abutment trans-tissue height
- O-ring on screw prevents fluid leakage into implant's internal threads
- Polished titanium surface for excellent tissue acceptance



# HEALING ABUTMENTS

For Wide Diameter 6.0mm Implants

## GINGISCULOPT™ HEALING ABUTMENTS

### GINGISCULOPT™ HEALING ABUTMENTS

For Single Stage or Stage II Surgery

- Recommended for *3i* Single Stage, non-submerged protocol with conventional two stage *3i* UniSystem
- Two-piece design engages hex for superior stability without loosening
- Exceptional esthetics
- One anatomic shape to mimic natural tooth root morphology
- Twelve sided internal design allows buccal-lingual adjustment to follow the facial contours of the tooth
- Multi-functional design guides soft tissue and doubles as impression coping
- Polished titanium surface for excellent tissue acceptance

Molar

Cylinder & Screw

8.5mm

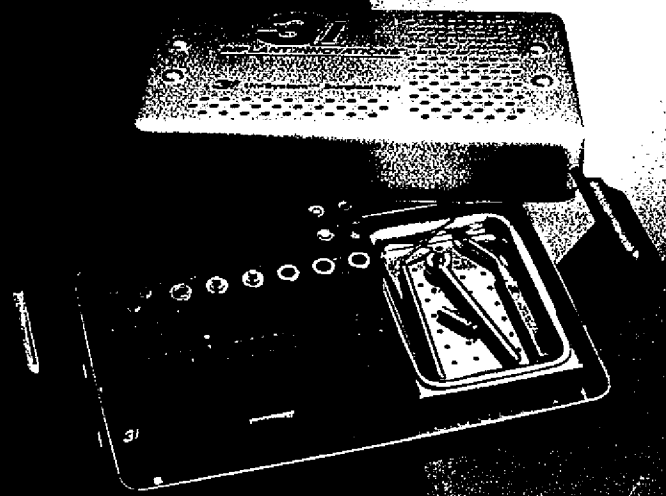


4mm  
SAM64

*Note: 3i Bone Profilers are required with GingiSCULPT Healing Abutments, see page 63*

See *3i* Restorative Catalog & GingiSCULPT Brochure for restorative options and components

# **Surg Prod**



<b>Diagnostic Tools</b>	<b>40</b>
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# DIAGNOSTIC TOOLS

## RADIOGRAPHIC MARKING BALLS

- Use on diagnostic or surgical stent
- Accurately determine x-ray magnification
- Aid in determining available bone for implant placement
- 5mm width
- Surgical grade stainless steel



30 pkg  
RMB30

## STENT GUIDE TUBES

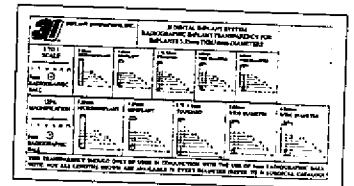
- Incorporate in the surgical guide stent for precise positioning of implant
- Guide the 2.00mm Twist Drill to the precise position and angulation
- Easily incorporated in the acrylic of the surgical stent
- Surgical grade stainless steel



25 pkg  
SGT25

## RADIOGRAPHIC IMPLANT TRANSPARENCY

- Case planning tool for use with radiographs
- Provides 1:1 image and 125% magnification



ART574

# SURGICAL PACKS



*Custom disposable surgical packs save time and storage space. No need to order and stock products from various suppliers. All necessary drapes, covers, etc., are included for one surgical procedure.*

## HOSPITAL STANDARD CSPHS

### Contents:

- 3 Surgical Gowns - Large
- 3 Hand Towels
- 1 Incise Drape 20" x 16"
- 1 EENT Split Drape 3" x 23"
- 1 Small Drape 41" x 58"
- 1 Table Cover 44" x 85"
- 1 X-Ray Cassette Cover 21" x 36"
- 1 Mayo Stand Cover
- 4 Drape Towels, Cloth
- 1 Camera Drape w/Tape 5" x 96"
- 1 Large Plastic Tray
- 20 4" x 4" Sponges
- 2 60 cc L/L Syringes
- 2 Angiocaths 16" x 2"
- 1 Yankauser Suction Tip
- 2 Frazier Suction Tips 12 FR
- 1 Y Connector
- 1 Card Steri Strips, 1" x 5"  
(two strips per card)
- 2 #15 Blades
- 2 Suction Tubing 1/4" x 10 ft.
- 1 Waste Bag

## OFFICE STANDARD CSPOS

### Contents:

- 1 Surgical Gown - Large
- 1 Surgical Gown - X-Large
- 4 Towels (Hand or Drape)
- 1 Table Cover 44" x 85"
- 1 Mayo Stand Cover
- 3 Sani Sleeves (Hose Covers)
- 2 Light Handle Covers
- 40 2" x 2" Sponges
- 1 Small Plastic Tray (Sharps)
- 1 Large Plastic Tray (Gauze)
- 2 60 cc L/L Syringes
- 2 Blunt Needles 18 G x 1"
- 1 35 oz. Bowl
- 1 Disposable Saliva Ejector
- 1 Patient Drape 58" x 58"  
with diamond-shaped  
opening for mouth
- 1 Betadine Swabstick
- 1 Camera Drape  
(for drilling unit)
- 1 Waste Bag

## OFFICE STANDARD CSPOI

(When using internal irrigation)

### Contents:

- 2 Surgical Gowns - Large
- 1 Surgical Gown - X-Large
- 4 Towels (Hand or Drape)
- 1 Table Cover 44" x 85"
- 1 Mayo Stand Cover
- 3 Sani Sleeves (Hose Covers)
- 2 Light Handle Covers
- 40 2" x 2" Sponges
- 1 Small Plastic Tray (Sharps)
- 1 Large Plastic Tray (Gauze)
- 1 Disposable Saliva Ejector
- 1 Patient Drape 58" x 58"  
with diamond shaped  
opening for mouth
- 1 Betadine Swabstick
- 1 Camera Drape  
(for drilling unit)
- 1 Waste Bag



# DRILLING UNIT

## THE DU300 SURGICAL DRILLING UNIT

### A RARE COMBINATION OF EFFICIENCY AND AFFORDABILITY

3i's state-of-the-art design delivers a wide range of operating characteristics to maximize clinical options and simplify operating procedures. As a result, the drilling unit optimizes implant placement by providing smooth control and time efficient enhancements.

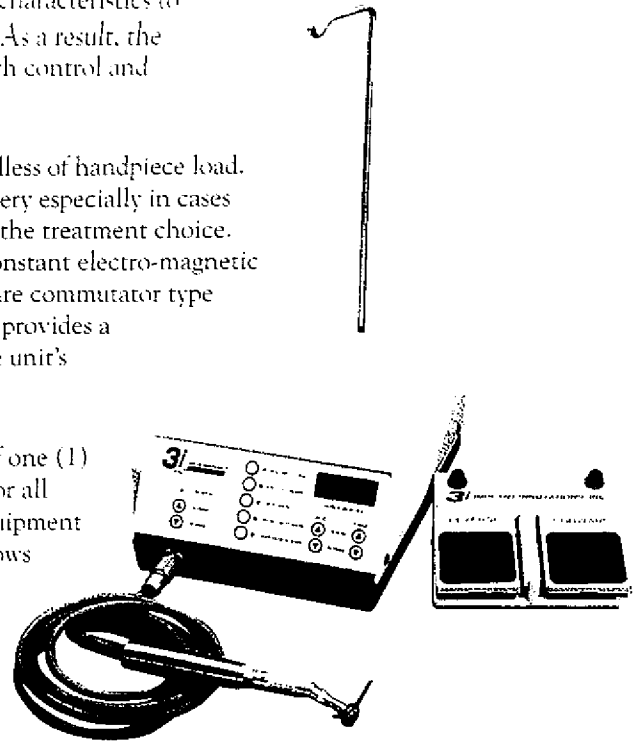
The 3i DU300 is engineered to deliver constant torque regardless of handpiece load. This feature allows for smooth site creation and implant delivery especially in cases with dense cortical bone or when wide diameter implants are the treatment choice. Furthermore, the DU300's induction type motor provides a constant electro-magnetic field that produces reliable torque and speeds. Other systems are commutator type motors that use brushes for electrical conduction. This design provides a pulse effect and generates heat from friction that can limit the unit's effective life.

Most importantly, the DU300 makes surgery easier. The use of one (1) MicroMega handpiece and a completely autoclavable motor for all operations, eliminates the time consuming need to change equipment in mid-surgery. The "hands-free" operation by foot control allows the implant team uninterrupted coordination.

3i's DU300 offers the following features:

- One MicroMega handpiece (23.75:1) for all surgical protocols; speeds from 15-1,500 rpm
- Adjustable electronic torque control to meet various pre-load requirements (10 - 55Ncm)
- "Hands-free" operation to change direction, speed range, and irrigation
- Allows for adjustable internal and external irrigation options
- Quiet motor that runs at 300 rpm to 30,000 rpm
- Five easily adjustable speed ranges with LED display and continuous memory
- Constant torque delivery with automatic shut-off at torque limit (55 Ncm maximum)
- Engineered to meet UL and International requirements

The DU300 is designed around the varying demands of implant treatment options. The unit is available as part of 3i's UniSystem or can be purchased individually.



# DEPTH MEASUREMENT SYSTEM

## 3i DEPTH GAUGE AND DRILL MARKING SYSTEM

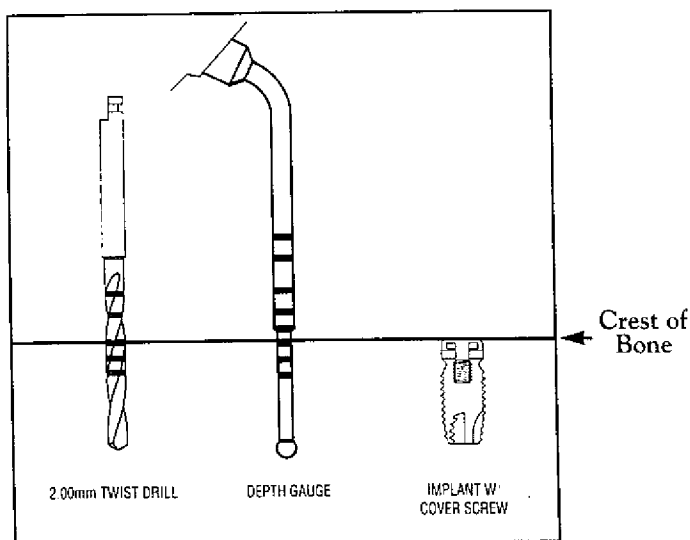
The 3i depth measurement system provides a mark on the drill that corresponds to placement of the implant within an accepted, standardized procedure. 3i's original protocol follows the principles of protecting the implant from premature loading. These guidelines include countersinking the implant and cover screw to be flush with the crest of bone. (See 3i Surgical Manual)

The drill depth markings do not indicate implant lengths. Rather, the markings represent the length of the implant and cover screw. As a result, to place an implant and cover screw flush with the crest, requires drilling to the matching drill line. For supra-crestal placement, the drill mark should remain above the bone by the desired height. Please refer to the following chart for further information.

Implant Length (Label)	Actual Implant Length	Cover Screw Height	Actual Drill Length to Mark*
7.0mm	6.6mm	1.0mm	7.6mm
8.5mm	8.1mm	1.0mm	9.1mm
10.0mm	9.6mm	1.0mm	10.6mm
11.5mm	11.1mm	1.0mm	12.1mm
13.0mm	12.6mm	1.0mm	13.6mm
15.0mm	14.6mm	1.0mm	15.6mm
18.0mm	17.6mm	1.0mm	18.6mm
20.0mm	19.6mm	1.0mm	20.6mm

\* From point on drill at which maximum diameter starts. (Drill mark is .05mm)  
Drill length listed in chart includes drill tip.

Tip Dimensions	
Drill Diameter	Drill Tip
2.00mm	.6mm
2.75mm	.9mm
3.00mm	.9mm
3.15mm	1.0mm
3.25mm	1.0mm
4.25mm	.4mm
5.25mm	.5mm



Note: A drill extension for areas of limited access is available, see page 62.

# **Surgi Kits**

## **Threaded**

44

### **SKT20**

Basic Kit for 3.25, 3.75 & 4.0mm Threaded Implants

### **SKT20A**

Same as SKT20, without drills

### **SKT22**

Component Kit for 5.0 & 6.0mm Wide Diameter Threaded Implants

## **Cylinder**

45

### **SKT25**

Basic Kit for 3.25, 3.75 & 4.25mm Cylinder Implants

### **SKT25A**

Same as SKT25, without selected drills

### **SKT27**

Component Kit for 3.25, 4.0 & 4.25mm Cylinder Implants

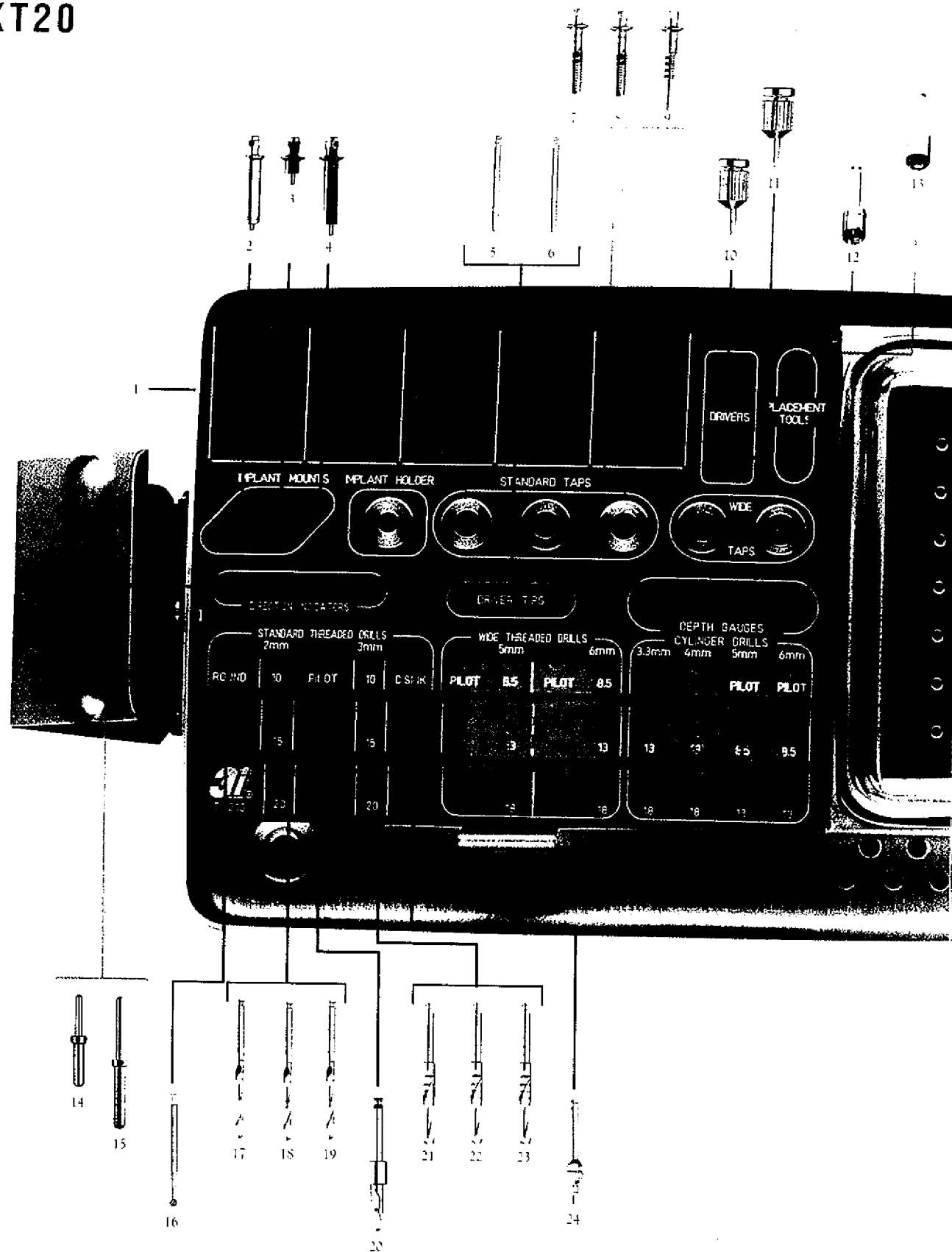
Component Kit for 5.0 & 6.0mm Wide Diameter Cylinder Implants



# SURGICAL KITS

## THREADED

### SKT20



# SURGICAL KITS

## THREADED

### SKT20

**Basic Kit for 3.25, 3.75 & 4.0mm Threaded Implants**

Position	Code	Qty.	Description
1	TT300	(1)	Surgical Tray and Drill Block
2	IC015	(1)	Long Implant Mount (15mm)
3	MMC03	(1)	MicroMiniplant Mount (3mm)
4	MMC15	(1)	MicroMiniplant Mount (15mm)
5	RASH2	(1)	Small Hex Driver Tip
6	RASH3	(1)	Large Hex Driver Tip
7	TAP13	(1)	3.75mm Tap (7-13mm)
8	TAP20	(1)	3.75mm Tap (7-20mm)
9	MTAP2	(1)	3.25mm Tap (8.5-18mm)
10	PHD00	(1)	Small Hex Driver
11	PHD02	(1)	Large Hex Driver
12	CSI10	(1)	Cover Screw Inserter
13	MDR10	(1)	Handpiece Connector
14	DI100	(3)	Direction Indicator (10mm)
15	DI200	(1)	Direction Indicator (15mm)
16	RD100	(1)	Round Drill
17	TD210	(1)	2.00mm Twist Drill (7-10mm)
18	TD215	(1)	2.00mm Twist Drill (7-15mm)
19	TD220	(1)	2.00mm Twist Drill (7-20mm)
20	PD100	(1)	Pilot Drill
21	TD310	(1)	3.00mm Twist Drill (7-10mm)
22	TD315	(1)	3.00mm Twist Drill (7-15mm)
23	TD320	(1)	3.00mm Twist Drill (7-20mm)
24	CD100	(1)	Countersink Drill
25	DP020	(1)	Implant Depth Probe
26	WR100	(1)	Ratchet Wrench
27	CW100	(1)	Open End Wrench
28	DE016	(1)	Drill Extension
29	RE100	(1)	Ratchet Extension (6mm)
30	RE200	(1)	Ratchet Extension (15mm)

### SKT20A

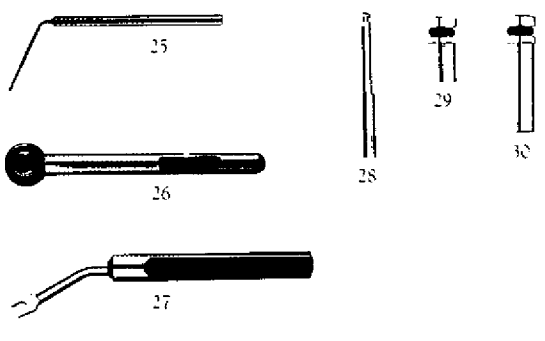
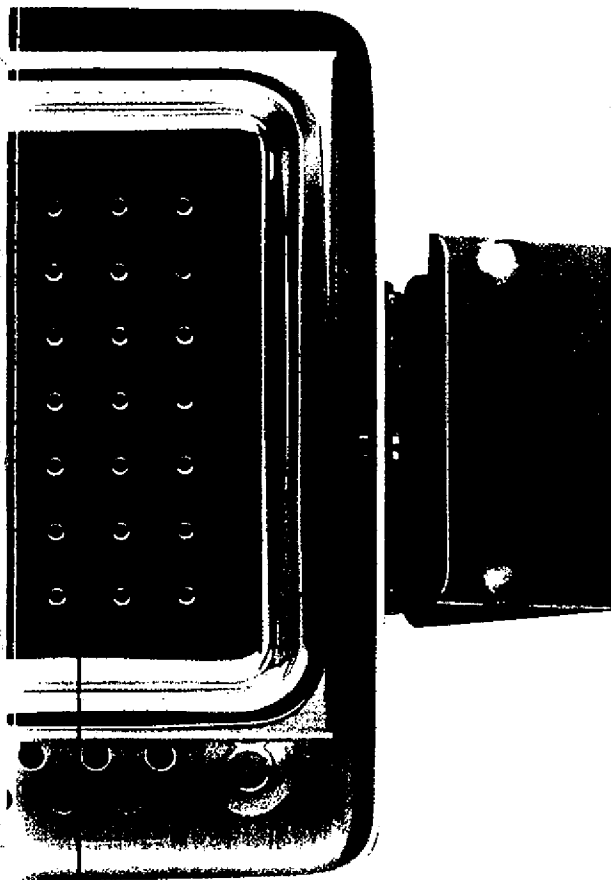
**Same as SKT20, without drills**

### SKT22

**Component Kit for 5.0 & 6.0mm Wide Diameter Threaded Implants**

**NOTE: This is a supplementary kit to the SKT20.**

WDPO2	(1)	Implant Depth Probe
ITD428	(1)	4.25mm Twist Drill (7-8.5mm)
ITD423	(1)	4.25mm Twist Drill (7-13mm)
ITD4218	(1)	4.25mm Twist Drill (7-18mm)
CD500	(1)	5.00mm Pilot Countersink Drill
TAP5SS	(1)	5.00mm Tap (7-8.5mm)
TAP53S	(1)	5.00mm Tap (7-13mm)
TAP518S	(1)	5.00mm Tap (7-18mm)
ITD528	(1)	5.25mm Twist Drill (7-8.5mm)
ITD523	(1)	5.25mm Twist Drill (7-13mm)
ITD5218	(1)	5.25mm Twist Drill (7-18mm)
CD600	(1)	6.00mm Pilot Countersink Drill
TAP68S	(1)	6.00mm Tap (7-8.5mm)
TAP63S	(1)	6.00mm Tap (7-13mm)
TAP618S	(1)	6.00mm Tap (7-18mm)



## CYLINDER

### SKT25

**Basic Kit for 3.3, 4.0, & 4.25mm Cylinder Implants:**

TT300	(1)	Surgical Tray and Drill Block
RD100	(1)	Round Drill
TD210	(1)	2.00mm Twist Drill (7-10mm)
TD215	(1)	2.00mm Twist Drill (7-15mm)
TD220	(1)	2.00mm Twist Drill (7-20mm)
PD100	(1)	Pilot Drill
TD310	(1)	3.00mm Twist Drill (7-10mm)
TD315	(1)	3.00mm Twist Drill (7-15mm)
TD320	(1)	3.00mm Twist Drill (7-20mm)
TCB33	(1)	3.30mm Tri-Flute Burs (7-13mm)
TCB38	(1)	3.30mm Tri-Flute Burs (7-18mm)
TCB43	(1)	4.00mm Tri-Flute Burs (7-13mm)
TCB48	(1)	4.00mm Tri-Flute Burs (7-18mm)
CD100	(1)	Countersink Drill
DE016	(1)	Drill Extension
DI100	(3)	Direction Indicators(15mm)
DI200	(1)	Direction Indicator (10mm)
IDG30	(1)	Implant Depth Gauge (3.3mm)
IDG40	(1)	Implant Depth Gauge (4.0mm)
ISI10	(1)	Implant Seating Instrument - Anterior
ISI15	(1)	Implant Seating Instrument - Posterior
MALL1	(1)	Mallet
CSI10	(1)	Cover Screw Inserter
PHD00	(1)	Small Hex Driver
PHD02	(1)	Large Hex Driver
RASH2	(1)	Small Hex Driver Tip
RASH3	(1)	Large Hex Driver Tip

### SKT23

**Component Kit for 3.3, 4.0 & 4.25mm Cylinder Implants**

**NOTE:** This is a supplementary kit to SKT20.

TCB33	(1)	3.30mm Tri-Flute Burs (7-13mm)
TCB38	(1)	3.30mm Tri-Flute Burs (7-18mm)
TCB43	(1)	4.00mm Tri-Flute Burs (7-13mm)
TCB48	(1)	4.00mm Tri-Flute Burs (7-18mm)
IDG30	(1)	Implant Depth Gauge (3.3mm)
IDG40	(1)	Implant Depth Gauge (4.0mm)
ISI10	(1)	Implant Seating Instrument - Anterior
ISI15	(1)	Implant Seating Instrument - Posterior
MALL1	(1)	Mallet

### SKT24

**Component Kit for 5.0 & 6.0mm Wide Diameter Cylinder Implants**

**NOTE:** This is a supplementary kit to SKT25 or SKT20.

PD500	(1)	5.00mm Pilot Drill
TCB58	(1)	5.00mm Tri-Flute Burs (7-8.5mm)
TCB53	(1)	5.00mm Tri-Flute Burs (7-13mm)
PD600	(1)	6.00mm Pilot Drill
TCB68	(1)	6.00mm Tri-Flute Burs (7-8.5mm)
TCB63	(1)	6.00mm Tri-Flute Burs (7-13mm)
IDG50	(1)	Implant Depth Gauge (5.0mm)
IDG60	(1)	Implant Depth Gauge (6.0mm)

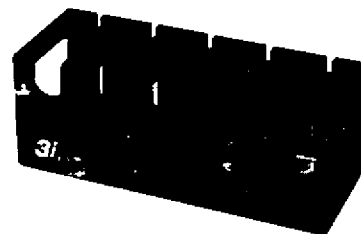
### SKT25A

**Same as SKT25, without the following drills**

RD100	(1)	Round Drill
TD210	(1)	2.00mm Twist Drill (7-10mm)
TD215	(1)	2.00mm Twist Drill (7-15mm)
TD220	(1)	2.00mm Twist Drill (7-20mm)
PD100	(1)	Pilot Drill
TD310	(1)	3.00mm Twist Drill (7-10mm)
TD315	(1)	3.00mm Twist Drill (7-15mm)
TD320	(1)	3.00mm Twist Drill (7-20mm)

#### Surgical Kit Organizers

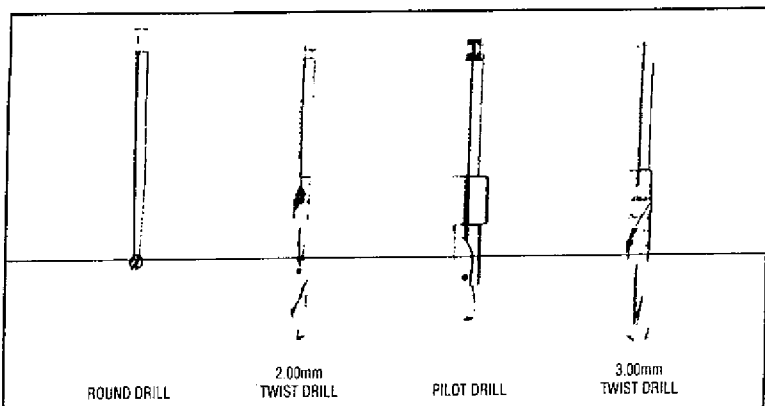
TT150	(1)	No-Touch Mini Surgical Block
TT210	(1)	Blue Drill Organizing Block
TT250	(1)	Aluminum Surgical Tray
TT300	(1)	Surgical Tray and Blue Drill Organizing Block



# SURGICAL DRILLS

## 3i UNISYSTEM INITIAL DRILLING SEQUENCE

### INITIAL DRILLING SEQUENCE



The 3i UniSystem offers a simplified, systematic approach to implant placement and allows the same **initial drilling sequence** for all 3i implants. (see back cover fold out)

3i offers both:

**MULTIPLE-PATIENT-USE DRILLS**

**SINGLE-PATIENT-USE DRILLS**

**Additional drills needed based on implant to be placed**

### ■ THREADED

#### MICROMINIPLANT 3.25mm

*Optional Components:*

- Miniplant Tap (page 53)
- 2.75mm Twist Drill (page 48)

#### MINIPLANT 3.25mm

Countersink Drill (page 51)

*Optional Components:*

- Miniplant Tap (page 53)
- 2.75mm Twist Drill (page 48)

#### STANDARD 3.75mm/4.0mm

Countersink Drill (page 51)

*Optional Components:*

- Standard Tap (page 53)
- 3.15mm Twist Drill (page 48)
- 3.25mm Twist Drill (page 48)

#### WIDE DIAMETER 5.0mm

5.00mm Pilot Countersink Drill (page 51)

4.25mm Twist Drill (page 49)

*Optional Components:*

- 5.00mm Tap (page 53)

#### WIDE DIAMETER 6.0mm

5.00mm Pilot Countersink Drill (page 51)

4.25mm Twist Drill (page 49)

6.00mm Pilot Countersink Drill (page 51)

5.25mm Twist Drill (page 49)

*Optional Components:*

- 6.00mm Tap (page 53)

### ● CYLINDER

#### MICROMINIPLANT 3.3mm

3.30mm Tri-Flute Bur (page 50)

#### MINIPLANT 3.3mm

3.30mm Tri-Flute Bur (page 50)

Countersink Drill (page 51)

#### STANDARD 4.0mm

3.30mm Tri-Flute Bur (page 50)

4.00mm Tri-Flute Bur (page 50)

Countersink Drill (page 51)

#### WIDE DIAMETER 5.0mm

3.30mm Tri-Flute Bur (page 50)

4.00mm Tri-Flute Bur (page 50)

5.00mm Pilot Drill (page 51)

5.00mm Tri-Flute Bur (page 50)

#### WIDE DIAMETER 6.0mm

3.30mm Tri-Flute Bur (page 50)

4.00mm Tri-Flute Bur (page 50)

5.00mm Pilot Drill (page 51)

5.00mm Tri-Flute Bur (page 50)

6.00mm Pilot Drill (page 51)

6.00mm Tri-Flute Bur (page 50)

MULTIPLE-PATIENT-USE DRILLS

SINGLE-PATIENT-USE DRILLS

# SURGICAL DRILLS

## THE INITIAL DRILLING SEQUENCE

### ROUND DRILLS

- 2.00mm bur diameter
- Surgical grade stainless steel
- RD100 included in Surgical Kit - SKT20

RD100

DR100

### 2.00mm TWIST DRILLS

- Three drill lengths for implants  
7-20mm in length
- Surgical grade stainless steel
- TD210, TD215, TD220 included in  
Surgical Kit - SKT20

7-10mm  
TD210

7-15mm  
TD215

7-20mm  
TD220

7-10mm  
DT210

7-15mm  
DT215

7-20mm  
DT220

### PILOT DRILLS

- Used after the 2.00mm Twist Drill to  
provide an accurate starting hole for  
the 3.00mm Twist Drill
- Surgical grade stainless steel
- PD100 included in Surgical Kit - SKT20

2mm  
PD100

2mm  
DP100

### 3.00mm TWIST DRILLS

- Three lengths for implants  
7-20mm in length
- May be substituted based on  
implant size (see page 44)
- Surgical grade stainless steel
- TD310, TD315, TD320 included  
in Surgical Kit - SKT20

7-10mm  
TD310

7-15mm  
TD315

7-20mm  
TD320

7-10mm  
DT310

7-15mm  
DT315

7-20mm  
DT320

Surgical  
Products

Note: A drill extension for areas of limited access is available, see page 62.



# SURGICAL DRILLS

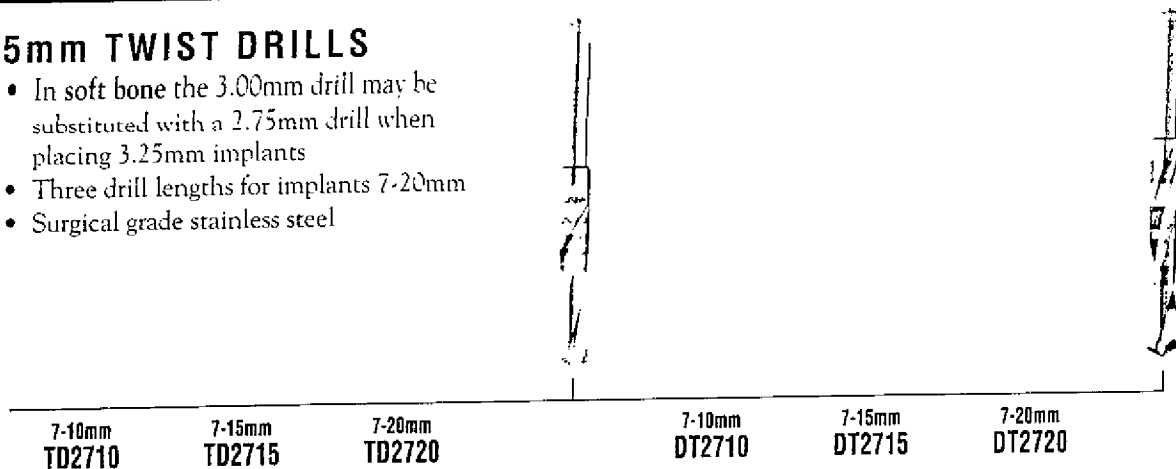
MULTIPLE-PATIENT-USE DRILLS

SINGLE-PATIENT-USE DRILLS

## TWIST DRILLS

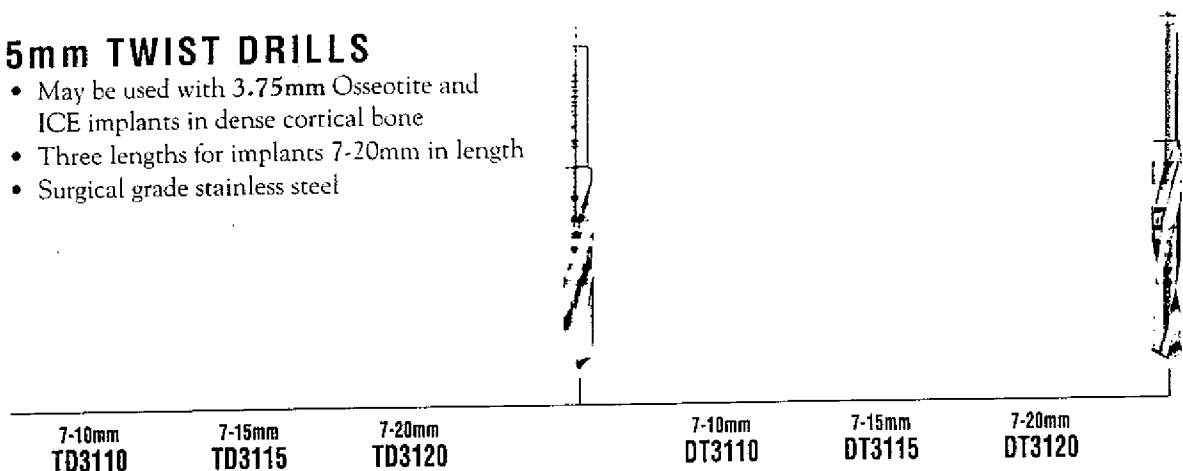
### 2.75mm TWIST DRILLS

- In soft bone the 3.00mm drill may be substituted with a 2.75mm drill when placing 3.25mm implants
- Three drill lengths for implants 7-20mm
- Surgical grade stainless steel



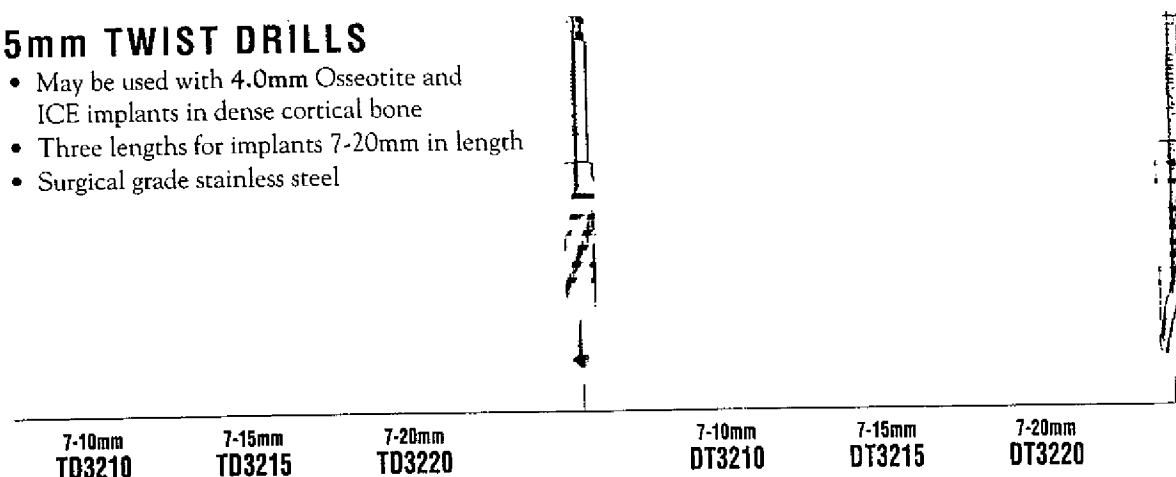
### 3.15mm TWIST DRILLS

- May be used with 3.75mm Osseotite and ICE implants in dense cortical bone
- Three lengths for implants 7-20mm in length
- Surgical grade stainless steel



### 3.25mm TWIST DRILLS

- May be used with 4.0mm Osseotite and ICE implants in dense cortical bone
- Three lengths for implants 7-20mm in length
- Surgical grade stainless steel



MULTIPLE-PATIENT-USE DRILLS

SINGLE-PATIENT-USE DRILLS

# SURGICAL DRILLS

## TWIST DRILLS

### 4.25mm TWIST DRILLS

- May be used with 5.0mm Osseotite and ICE
- A hybrid design that combines the cutting efficiency of a tri-spade drill with the control of the traditional twist drill (multiple-patient-use only)
- Allows for internal irrigation (multiple-patient-use only)
- Three lengths for implants 7-18mm in length
- Surgical grade stainless steel
- ITD428, ITD423, and ITD4218 included in Surgical Kit - SKT22

TRI-SPADE  
DRILL



STANDARD DRILL



7-8.5mm  
ITD428

7-13mm  
ITD423

7-18mm  
ITD4218

7-8.5mm  
DT428

7-13mm  
DT423

7-18mm  
DT4218

### 5.25mm TWIST DRILLS

- May be used with 6.0mm Osseotite and ICE
- A hybrid design that combines the cutting efficiency of a tri-spade drill with the control of the traditional twist drill (multiple-patient-use only)
- Allows for internal irrigation (multiple-patient-use only)
- Three lengths for implants 7-18mm in length
- Surgical grade stainless steel
- ITD528, ITD523, and ITD5218 included in Surgical Kit - SKT22

TRI-SPADE  
DRILL



STANDARD DRILL



7-8.5mm  
ITD528

7-13mm  
ITD523

7-18mm  
ITD5218

7-8.5mm  
DT528

7-13mm  
DT523

7-18mm  
DT5218

Surgical  
Drills

# SURGICAL DRILLS

MULTIPLE-PATIENT-USE DRILLS

SINGLE-PATIENT-USE DRILLS

## TRI-FLUTE CYLINDER BURS

### 3.30mm TRI-FLUTE CYLINDER BURS

- Eliminates instability and chatter associated with cannon burs
- Allows for internal irrigation
- Surgical grade stainless steel
- TCB33 and TCB38 included in Surgical Kits - SKT25 and SKT23

8.5-13mm  
TCB33

8.5-18mm  
TCB38



### 4.00mm TRI-FLUTE CYLINDER BURS

- Eliminates instability and chatter associated with cannon burs
- Allows for internal irrigation
- Surgical grade stainless steel
- TCB43 and TCB48 included in Surgical Kits - SKT25 and SKT23

7-13mm  
TCB43

7-18mm  
TCB48



### 5.00mm TRI-FLUTE CYLINDER BURS

- Eliminates instability and chatter associated with cannon burs
- Allows for internal irrigation
- Surgical grade stainless steel
- TCB53 and TCB58 included in Surgical Kit - SKT24

7-13mm  
TCB53

7-8.5mm  
TCB58



### 6.00mm TRI-FLUTE CYLINDER BURS

- Eliminates instability and chatter associated with cannon burs
- Allows for internal irrigation
- Surgical grade stainless steel
- TCB63 and TCB68 included in Surgical Kit - SKT24

7-13mm  
TCB63

7-8.5mm  
TCB68



MULTIPLE-PATIENT-USE DRILLS

SINGLE-PATIENT-USE DRILLS

# SURGICAL DRILLS

## PILOT AND COUNTERSINK DRILLS

### COUNTERSINK DRILLS

- Used for 3.25, 3.75, 4.0mm threaded implants and 3.3, 4.0, 4.25mm cylinder implants
- Shape crest of ridge to allow implant and cover screw placement at or below surrounding bone margin
- Surgical grade stainless steel
- CD100 included in Surgical Kits - SKT20 and SKT25

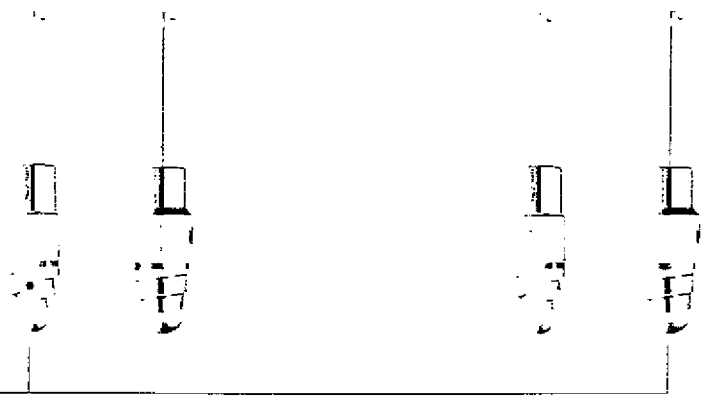


CD100

DC100

### PILOT COUNTERSINK DRILLS FOR WIDE DIAMETER THREADED IMPLANTS

- Reduces the number of burs needed to place a wide diameter implant
- Expands the coronal portion of the osteotomy to easily accept the next drill
- Allows countersinking of the implant for placement at the crest or subcrestal
- Allows for internal irrigation (multiple-patient-use only)
- Surgical grade stainless steel
- CD500 and CD600 included in Surgical Kit - SKT22



5mm  
CD500

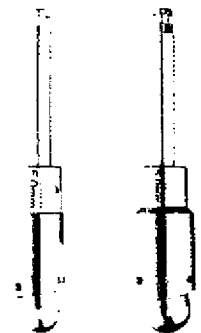
6mm  
CD600

5mm  
DC500

6mm  
DC600

### PILOT DRILLS FOR WIDE DIAMETER CYLINDER IMPLANTS

- For cylinder implants, use PD500 between 4.00 and 5.00mm cylinder burs; use PD600 between 5.00 and 6.00mm cylinder burs
- Allows for internal irrigation
- Surgical grade stainless steel
- PD500 and PD600 included in Surgical Kit - SKT24



5mm  
PD500

6mm  
PD600

# SURGICAL DRILLS

## SINGLE-PATIENT-USE DRILL KITS

### 3i Exclusive "5 Pack" Kits

#### "3 PACK" KITS

##### DDK210

For Implants 7-10mm

DR100	Round Drill
DT210	2.00mm Twist Drill
DP100	Pilot Drill

##### DDK215

For Implants 7-15mm

DR100	Round Drill
DT215	2.00mm Twist Drill
DP100	Pilot Drill

##### DDK220

For Implants 7-20mm

DR100	Round Drill
DT220	2.00mm Twist Drill
DP100	Pilot Drill

#### "5 PACK" KITS

##### DDK310

For Miniplants & Standard  
Diameter Implants (7-10mm)

DR100	Round Drill
DT210	2.00mm Twist Drill
DP100	Pilot Drill
DT310	3.00mm Twist Drill
DC100	Countersink Drill

##### DDK315

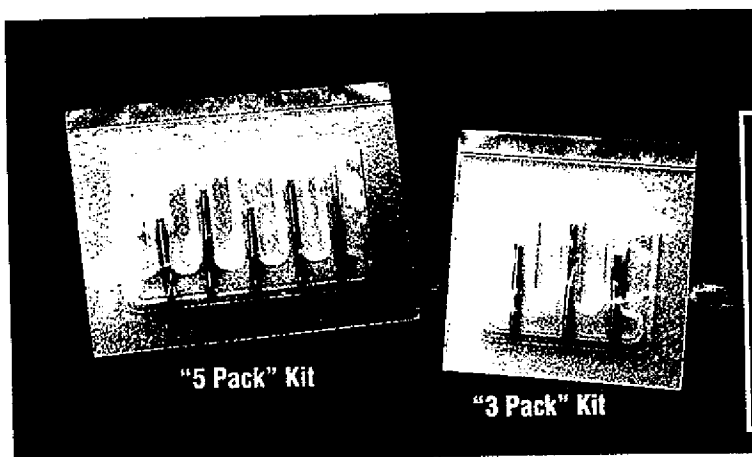
For Miniplants & Standard  
Diameter Implants (7-15mm)

DR100	Round Drill
DT215	2.00mm Twist Drill
DP100	Pilot Drill
DT315	3.00mm Twist Drill
DC100	Countersink Drill

##### DDK320

For Miniplants & Standard  
Diameter Implants (7-20mm)

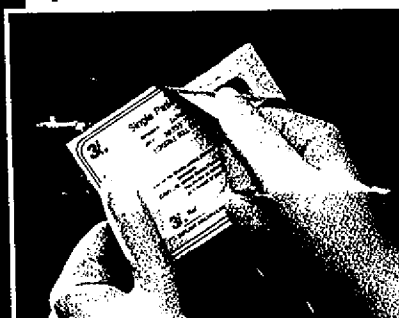
DR100	Round Drill
DT220	2.00mm Twist Drill
DP100	Pilot Drill
DT320	3.00mm Twist Drill
DC100	Countersink Drill



"5 Pack" Kit

"3 Pack" Kit

All 3i Single-Patient-Use Drill Kits  
are packaged sterile in easy to handle  
"peel back" packaging



## AUTOCLAVABLE MULTI-USE

### 3.25mm MICROMINIPLANT/MINIPLANT TAP

- ICE design tap
- For tapping in dense cortical bone
- For placement of 3.25mm threaded implants
- Commercially pure titanium
- MTAP2 included in Surgical Kit - SKT20



8.5-18mm  
MTAP1 (18mmL)

8.5-18mm  
MTAP2 (27mmL)

### 3.75mm STANDARD TAP

- ICE design tap
- For tapping in dense cortical bone
- Commercially pure titanium
- TAP13 and TAP20 included in Surgical Kit - SKT20



7-10mm  
TAP10

7-13mm  
TAP13

7-20mm  
TAP20

### 5.00mm WIDE DIAMETER TAP

- ICE design tap
- For tapping in dense cortical bone
- Commercially pure titanium
- TAP58S, TAP53S and TAP518S included in Surgical Kit - SKT22



7-8.5mm  
TAP58S

7-13mm  
TAP53S

7-18mm  
TAP518S

### 6.00mm WIDE DIAMETER TAP

- ICE design tap
- For tapping in dense cortical bone
- Commercially pure titanium
- TAP68S, TAP63S and TAP618S included in Surgical Kit - SKT22



7-8.5mm  
TAP68S

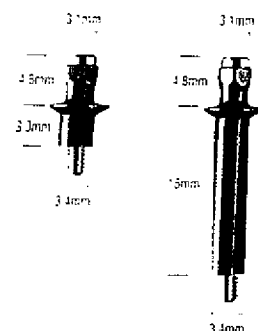
7-13mm  
TAP63S

7-18mm  
TAP618S

# IMPLANT MOUNTS

## MICROMINIPLANT MOUNTS

- Two lengths — Longer version designed for implant placement adjacent to or between natural teeth
- Anodized purple for easy visualization of mount-implant junction
- Use with Handpiece Connector (MDR10)
- Use with Wrench (WR100) and Ratchet Extension (RE100 or RE200) for final hand tightening of implant
- For external hex 3.25mm Miniplants use standard implant mount (IC015)
- Commercially pure titanium
- MMC03 and MMC15 included in Surgical Kit - SKT20

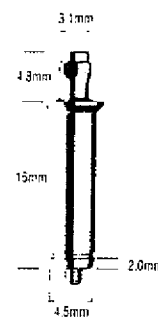


3mm  
**MMC03**

15mm  
**MMC15**

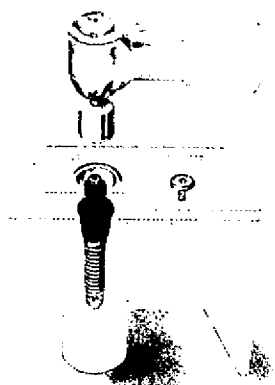
## MINIPLANT, STANDARD AND WIDE DIAMETER MOUNTS

- Designed for implant placement adjacent to or between natural teeth
- Use with Handpiece Connector (MDR10)
- Use with Wrench (WR100) and Ratchet Extension (RE100 or RE200) for final hand tightening of implant
- Commercially pure titanium
- IC015 included in Surgical Kit - SKT20



15mm  
**IC015**

## NO-TOUCH THREADED IMPLANT DELIVERY SYSTEM



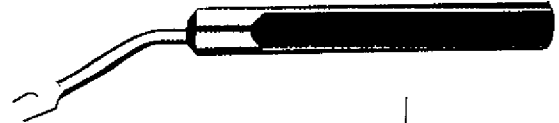
All **3i** threaded implants except MicroMiniplant (3.25mm) are packaged pre-mounted in the No-Touch Delivery System for fast and trouble-free implant placement. These mounts are disposable and anodized blue for easy visualization of mount-implant junction.

# IMPLANT WRENCHES

## OPEN END WRENCH

- Securely holds implant mount for threaded implants
- Designed to fit between teeth
- Allows easy mount removal from mouth
- Shape and length provide improved access, especially in partially edentulous cases
- Surgical grade stainless steel
- CW100 included in Surgical Kit - SKT20

*NOTE: Open-End Wrench not compatible with Nobelpharma fixture mounts*



**CW100**

## RATCHET WRENCH

- Used for final tightening (1 turn only) or final tapping in dense cortical bone (Not used for initial implant placement)
- Low profile head (6.5mm) for easy access
- Must be used with Ratchet Extension (RE100 or RE200)
- Hole in handle for easy cleaning and maintenance
- Surgical grade stainless steel
- WR100 included in Surgical Kit - SKT20

*NOTE: Ratchet Wrench can be used with Nobelpharma fixture mounts when Ratchet Extension is removed*

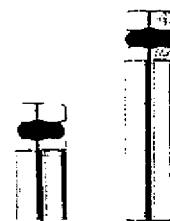


**WR100**

## RATCHET EXTENSION

- Use with all 3i implant mounts on threaded implants
- Place in Ratchet Wrench for final implant seating
- Use with Taps for implant placement in dense cortical bone
- Surgical grade stainless steel
- RE100 and RE200 included in Surgical Kit - SKT20

*NOTE: Ratchet extensions will fit Nobelpharma ratchet wrench*



10mm  
**RE100**

15mm  
**RE200**



# IMPLANT DRIVERS

## SMALL HEX DRIVER

- Used to place and tighten implant cover screws
- Unique patented design allows carrying of components on the driver tip for easier placement and removal
- Matches small hex dimensions of 0.9mm (.035in)
- Surgical grade stainless steel
- PHD00 included in Surgical Kit - SKT20



17mm  
PHD00

24mm  
PHD01

## SMALL HEX DRIVER TIP

- Used in Right Angle Driver (RASD0) and Contra-Angle Torque Driver (CATDB) to place and tighten implant cover screws
- Unique patented design allows carrying of components on the driver tip for easier placement and removal
- Surgical grade stainless steel
- RASH2 included in Surgical Kit - SKT20



24mm  
RASH2

30mm  
RASH7

## LARGE HEX DRIVER

- Used to remove implant mounts, place healing abutments, and tighten hex prosthetic screws
- Unique patented design allows carrying of components on the driver tip for easier placement and removal
- Matches large hex dimensions of 1.2mm (.048in)
- Surgical grade stainless steel
- PHD02 included in Surgical Kit - SKT20

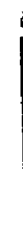


17mm  
PHD02

24mm  
PHD03

## LARGE HEX DRIVER TIP

- Used in Right-Angle Driver (RASD0) and Contra-Angle Torque Driver (CATDB)
- For implant mounts, healing abutments, and prosthetic screws
- Unique patented design allows carrying of components on the driver tip for easier placement and removal
- Surgical grade stainless steel
- RASH3 included in Surgical Kit - SKT20



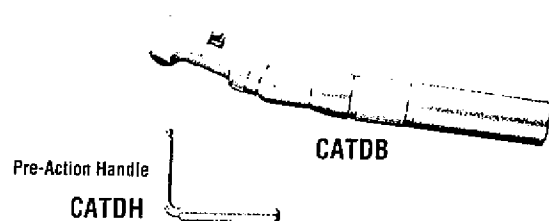
24mm  
RASH3

30mm  
RASH8

# MECHANICAL IMPLANT DRIVERS

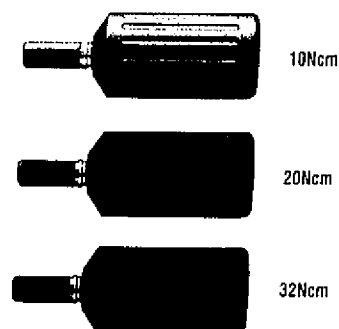
## CONTRA ANGLE TORQUE DRIVER AND TORQUE CONTROLLER (HAND OPERATED)

- Allows the clinician to accurately apply the required or prescribed preload level when securing various types of screws
- Preset limits of 10, 20 and 32Ncm
- Accurate to within one Ncm in both forward and reverse
- Used with CATDB
- Interchangeable to meet preload torque requirements
- Accepts all contra angle latch-type tips



Body CATDB      Handle CATDH      10Ncm CATC1      20Ncm CATC2      32Ncm CATC3

### Controllers



## CONTRA ANGLE TORQUE DRIVER KIT

### Contents:

Torque Driver Body	CATDB
Pre-Action Handle	CATDH
Large Hex Driver Tip, Short	RASH3
Large Hex Driver Tip, Long	RASH8
Square Driver Tip, Short	RASQ3
Square Driver Tip, Long	RASQ8
Abutment Driver Tip	RASA3
Contra Angle Torque Controller 20Ncm	CATC2
Contra Angle Torque Controller 32Ncm	CATC3
Prosthetic System, Instrumentation Tray	PSDT1

Kit  
CATDO

## RIGHT ANGLE DRIVER (HAND OPERATED)

- Simplifies access to posterior regions and between teeth or other implants
- Turning the knob on end of driver rotates interchangeable tips
- May be used to insert or remove various types of screws
- Accepts all contra angle latch-type tips



RASDO

Surgical  
Products

# SURGICAL INSTRUMENTATION

## HANDPIECE CONNECTOR

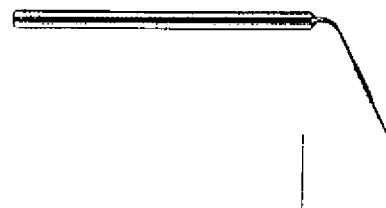
- Used to drive all taps for all threaded implants and implant mount (IC015) with handpiece
- For use with latch-type drill
- Designed to fit between teeth and into narrow spaces
- Surgical grade stainless steel
- MDR10 included in Surgical Kit - SKT20



**MDR10**

## IMPLANT DEPTH PROBE

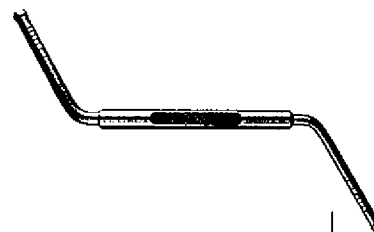
- Simplifies depth measurements
- Used at 2.00mm drill stage
- Apical ball provides tactile examination of bone preparation
- Commercially pure titanium
- DP020 included in Surgical Kit - SKT20



**DP020**

## WIDE IMPLANT DEPTH PROBE

- Apical ball provides tactile examination of bone preparation
- Gives precise measurement of osteotomy depth for 5.0 and 6.0mm threaded implants
- Used at 4.25 and 5.25mm drill stage
- Commercially pure titanium
- WDP02 included in Surgical Kit - SKT22



**Wide  
WDP02**

## CYLINDER IMPLANT DEPTH GAUGE

- Accurately measures depth of surgical site
- Commercially pure titanium
- IDG30 and IDG40 included in Surgical Kits - SKT23 and SKT25
- IDG50 and IDG60 included in Surgical Kit - SKT24

**3.3mm  
IDG30**

**4.0mm  
IDG40**

**5.0mm  
IDG50**

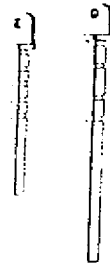
**6.0mm  
IDG60**



# SURGICAL INSTRUMENTATION

## GELB RADIOGRAPHIC DEPTH GAUGE KIT

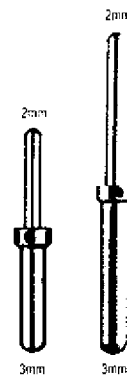
- Kit contains: (3) Gauges: 7-13mm  
(2) Gauges: 13-20mm
- Depth markings coincide with 7-20mm implant lengths
- Used at 2.00mm drill stage to radiographically check implant placement in relation to adjacent teeth, anatomical structures or other implants
- Used during Stage I Surgery
- Commercially pure titanium



**XDG00**

## DIRECTION INDICATORS

- Used as a direction guide to aid in parallel implant placement
- 2 and 3mm diameter ends allow use with 2.00 or 3.00mm drills
- Commercially pure titanium
- DI100 and DI200 included in Surgical Kits - SKT20 and SKT25

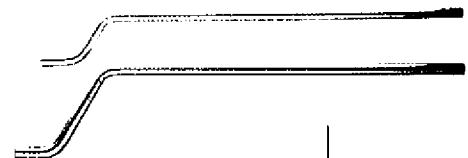


**10mm  
DI100**

**15mm  
DI200**

## IMPLANT SEATING INSTRUMENTS

- Position directly on placement head of implant for final seating
- For use with cylinder implant mounts
- Surgical grade stainless steel
- ISI10 and ISI15 included in Surgical Kits - SKT25 and SKT23



**Anterior  
ISI10**

**Posterior  
ISI15**

## MALLET

- Used with Implant Seating Instrument (ISI10) to place cylinder implants
- Used with osteotome technique
- Surgical grade stainless steel
- MALL1 included in Surgical Kits - SKT25 and SKT23

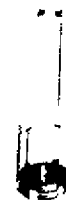


**MALL1**

# SURGICAL INSTRUMENTATION

## COVER SCREW INSERTER

- Used to pick up and place cover screws from surgical tray to place in mouth
- Surgical grade stainless steel
- CSI10 included in Surgical Kits - SKT20 and SKT25



MicroMiniplant  
CSIMM

Miniplant/Standard  
CSI10

5.0mm Wide  
CSI50

6.0mm Wide  
CSI60

## TITANIUM FORCEPS

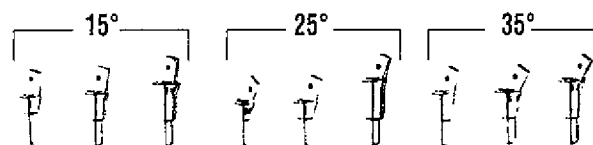
- Used to handle implants to avoid possible contamination of the titanium oxide layer
  - Commercially Pure Titanium
- NOTE: No-Touch Delivery System for threaded implants eliminates the need for this instrument



TF002

## PRE-ANGLED SURGICAL GUIDE KIT

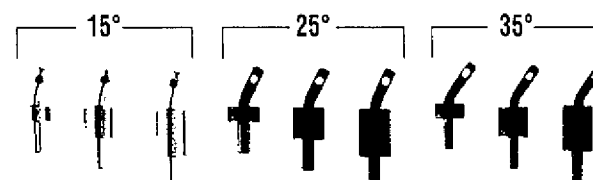
- Determines implant site angle and pre-angled abutment selection before implant placement
- Used after 3.00mm twist drill and countersink drills
- Commercially pure titanium



PMKIT

## PROSTHETIC ANGLE GUIDE KIT

- Used to determine angle correction needed
- Soft tissue height and degree of angulation can be determined in selecting the correct pre-angled abutment
- Prosthetic aid used after Stage II Surgery
- Available in 2, 4, and 6mm trans-tissue heights



AG900

# SURGICAL INSTRUMENTATION

## SURGICAL INDEX COPING ASSEMBLY

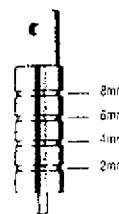
- Used for registering implant locations and hex alignment at Stage I Surgery
- Allows for treatment planning, abutment selection, temporary fabrication and fabrication of single unit restorations prior to Stage II Surgery
- Drill guide (IC106), that fits into index bushing and aids in making a precision final cast, is available. Also, a Surgical Index Coping Drill (ID100) for aligning placement of analog in model is useful
- Sized to fit external hex implants (except MicroMiniplants)
- Tighten with Large Hex Driver (PHD02 or PHD03)
- Titanium alloy



IC100

## TISSUE MEASURING POST

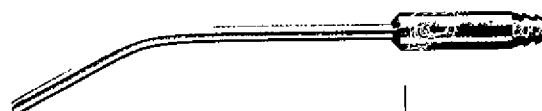
- Simplifies abutment selection
- Slides directly onto implant to measure tissue height
- Clearly marked at 2mm intervals
- Commercially pure titanium



TMP80

## TITANIUM SUCTION TIP

- Prevents possible contamination of the implant oxide layer at implant placement
- Commercially pure titanium

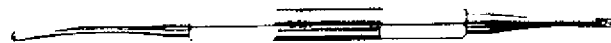


TST01

# SURGICAL INSTRUMENTATION

## TITANIUM ELEVATOR

- Prevents possible contamination of the implant oxide layer at implant placement
- Commercially pure titanium



TE003

## TISSUE PUNCH

- Provides quick and precise method of soft tissue removal for easier seating of temporary components and abutments
- Punch diameter designed to extend just over implant to easily remove tissue
- May also be used for obtaining biopsy samples
- Surgical grade stainless steel



4.1mm/Std  
TP001

5mm  
TP005

6mm  
TP006

## DRILL EXTENSION

- Extends any standard contra angle drill by 17.5mm
- Narrow diameter simplifies drilling between and adjacent to natural teeth
- Surgical grade stainless steel
- DE016 included in Surgical Kit - SKT20



DE016

# SURGICAL INSTRUMENTATION

## BONE PROFILERS

- Simple method of contouring bone around seating surface of implant
- Unique design prevents contact with seating surface of the implant
- Flare matches Emergence Profile (EP) healing abutment flare
- Recommended manual use with light pressure in clockwise direction (see technical bulletin)
- Primarily used at Stage II Surgery, but can be used during Single Stage protocol
- Packaged with required Guide Pin
- Surgical grade stainless steel

### MicroMiniplant

BP340 - 3.4mm dia/4mm flare

### Miniplant/Standard Diameter

BP450 - 4.1mm dia/5mm flare

BP460 - 4.1mm dia/6mm flare

BP475 - 4.1mm dia/7.5mm flare

### Wide Diameter - 5.0mm

BP550 - 5mm dia/5mm flare

BP560 - 5mm dia/6mm flare

BP575 - 5mm dia/7.5mm flare

### Wide Diameter - 6.0mm

BP660 - 6mm dia/6mm flare

BP675 - 6mm dia/7.5mm flare



BP340    BP450    BP460    BP475    BP550    BP560    BP575    BP660    BP675

## BONE PROFILER KITS

### BPKIT

For use with Standard Diameter Implants

BP450

BP460

BP475

Organizer box

### BPAKT

For use with 5.0mm and 6.0mm Wide Diameter Implants

BP550

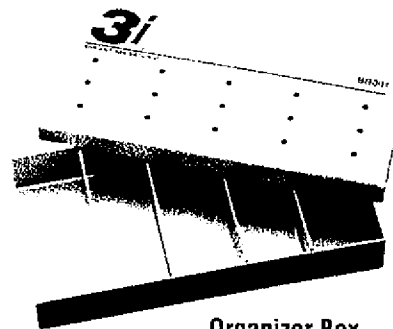
BP560

BP575

BP660

BP675

Organizer box

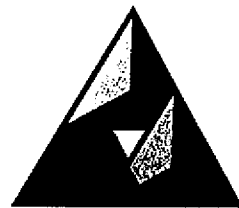


Organizer Box



# Advanced Regenerative Therapies

## IMPLANT



G O R E  
R E G E N E R A T I V E  
T E C H N O L O G I E S

In January 1997, *3i* and GORE Regenerative Technologies formed a partnership. *3i* has been granted exclusive rights to distribute and market GORE Regenerative Materials, as well as provide educational and technical support throughout North America and many international markets. GORE will continue to produce GORE Regenerative Materials and is committed to the research and development of new technologies for oral health care.

GORE Regenerative Materials are engineered to meet a series of design criteria which were established based on significant research. This design criteria, which ensures that the clinician's needs are met, applies to all GORE Regenerative Materials.

### Design Criteria

- Biocompatibility
- Cell Occlusive
- Spacemaking
- Tissue Integration
- Clinically Manageable

GORE maintains an on-going commitment to producing the highest quality products with significant supporting evidence. This evidence-based approach to product development contributes to predictable clinical outcomes and will support the development of new products that enhance oral health care. GORE Regenerative Technologies, known for its expertise in manufacturing the "Gold Standard" in regenerative materials, offers a full line of regenerative products including: GORE-TEX® Regenerative Material, GORE-TEX® Regenerative Material Platinum Reinforced (TR) Composite, GORE-TEX® RESOLUT Regenerative Material, GORE-TEX® Sutures and GORE-TEX® Sutures.

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**GORE-TEX® Regenerative Material 66**

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**GORE-TEX® Titanium Reinforced (TR) Configurations 68**

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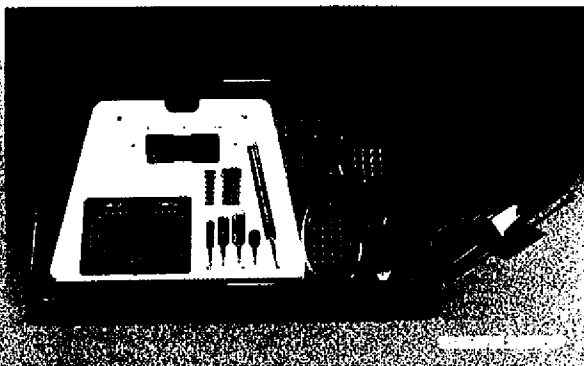
**GORE RESOLUT Regenerative Material 70**

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**GORE Sutures 71**

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**3i OsseoFix™ Systems 72**



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**Advanced Therapy Instrumentation 74**

# REGENERATIVE THERAPY

## GORE-TEX® REGENERATIVE MATERIAL

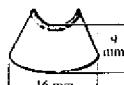
### GTPM – TRANSGINGIVAL CONFIGURATIONS

For applications involving a structure, such as a tooth that extends through the gingiva into the oral environment

- Non-absorbable material allows for immediate evaluation of the regenerative result upon removal
- GORE-TEX® Suture included (P5K17)
- Provided sterile

#### Single Tooth Narrow

- Intrabony defect involving buccal or palatal aspect



GTN1

#### Single Tooth X Large

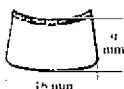
- Large intrabony defect involving buccal or palatal aspect



GTN2

#### Single Tooth Wide

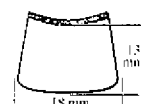
- Isolated furcation defect involving buccal or palatal aspect



GTW1

#### Single Tooth Wide X Large

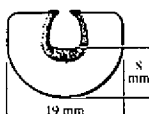
- Large isolated furcation defect involving buccal or palatal aspect



GTW2

#### Anterior Wraparound

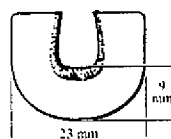
- Anterior intrabony defect, mesial or distal aspect (no adjacent teeth)



GTA1

#### Posterior Wraparound

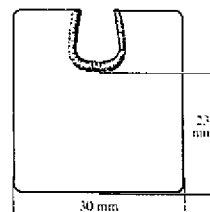
- Posterior intrabony defect, mesial or distal aspect, with or without furcation involvement (no adjacent teeth)



GTA2

#### X Large Wraparound

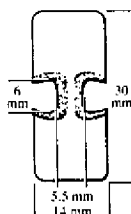
- Third molar extraction site



GTA4

#### Anterior Interproximal

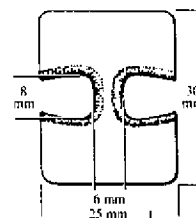
- Anterior intrabony defect between teeth with or without furcation involvement



GTI1

#### Posterior Interproximal

- Posterior intrabony defect between teeth with or without furcation involvement



GTI2

# REGENERATIVE THERAPY

## GORE-TEX REGENERATIVE MATERIAL

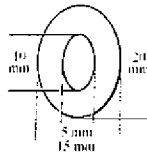
### GTAM – SUBMERGED CONFIGURATIONS

For applications where the defect can be isolated from the oral cavity

- Non-absorbable material allows for immediate evaluation of the regenerative result upon removal
- GORE-TEX Suture included (P5K17)
- Provided sterile

#### Small

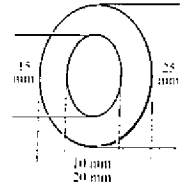
- Small localized osseous defect



GT4

#### Medium

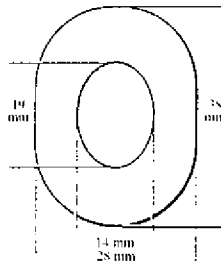
- Medium localized osseous defect



GT6

#### Large

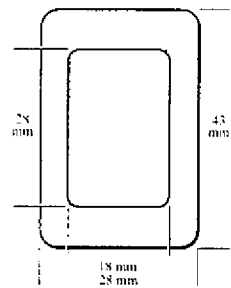
- Large localized osseous defect



GT9

#### Large

- Large localized osseous defect



GT10

GORE-TEX is a registered trademark of W.L. Gore & Associates

# REGENERATIVE THERAPY

## GORE-TEX TITANIUM REINFORCED (TR) CONFIGURATIONS

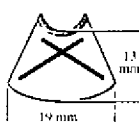
### GTPM – TRANSGINGIVAL CONFIGURATIONS

For applications involving a structure, such as a tooth that extends through the gingiva into the oral environment

- Non-absorbable material with titanium reinforcement, allows for additional space maintenance and immediate evaluation of the regenerative result upon removal
- GORE-TEX Suture included (P5K17)
- Provided sterile

#### Single Tooth Narrow X Large

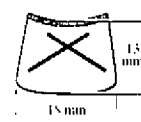
- Recession defect
- Intrabony defect involving buccal or palatal aspect



TRN2

#### Single Tooth Wide X Large

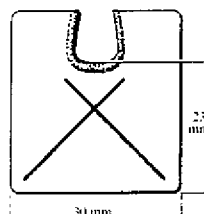
- Isolated furcation defect involving buccal or palatal aspect



TRW2

#### Wraparound X Large

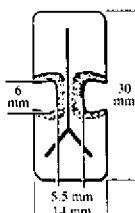
- Third molar extraction site



TRA4

#### Anterior Interproximal

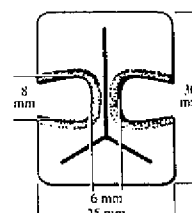
- Anterior intrabony defect between teeth with or without furcation involvement



TRI1

#### Posterior Interproximal

- Posterior intrabony defect between teeth with or without furcation involvement



TRI2

# REGENERATIVE THERAPY

## GORE-TEX TITANIUM REINFORCED (TR) CONFIGURATIONS

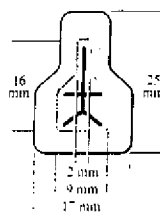
### GTAM – SUBMERGED CONFIGURATIONS

For applications where the defect can be isolated from the oral cavity

- Non-absorbable material with titanium reinforcement, allows for additional space maintenance and immediate evaluation of the regenerative result upon removal
- GORE-TEX Suture included (P5K17)
- Provided sterile

#### Small

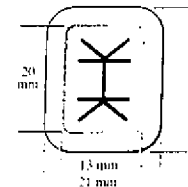
- Localized osseous defect between teeth



TR4Y

#### Medium

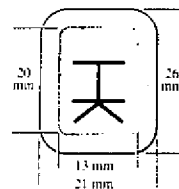
- Medium localized osseous defect



TR6Y

#### Medium

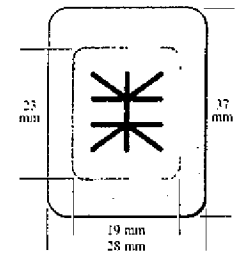
- Medium localized osseous defect involving buccal or palatal aspect only



TR6T

#### Large

- Large localized osseous defect



TR9W

# REGENERATIVE THERAPY

## Gore RESOLUT Regenerative Material

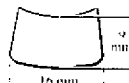
### GTPM – Transgingival Configurations

For applications involving a structure, such as a tooth that extends through the gingiva into the oral environment

- Bioabsorbable material eliminates the need for a removal procedure
- GORE RESOLUT Suture and GORE-TEX Suture included (P5K17)
- Provided sterile

#### Single Tooth Wide

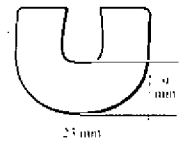
- Isolated furcation defect involving buccal or palatal aspect
- Intrabony defect involving buccal or palatal aspect



RW1

#### Posterior Wraparound

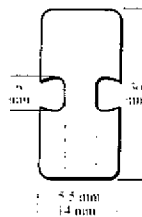
- Posterior intrabony defect, mesial or distal aspect, with or without furcation involvement



RA2

#### Anterior Interproximal

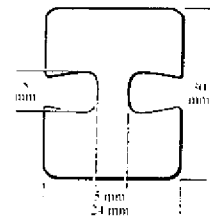
- Anterior intrabony defect between teeth with or without furcation involvement



RI1

#### Posterior Interproximal

- Posterior intrabony defect between teeth with or without furcation involvement



RI2

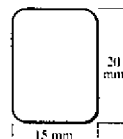
### GTAM – Submerged Configurations

For applications where the defect can be isolated from the oral cavity

- Bioabsorbable material eliminates the need for a removal procedure
- Can be cut for customized application
- Can be used for transgingival applications
- GORE RESOLUT Suture and GORE-TEX Suture included (P5K17)
- Provided sterile

#### Small

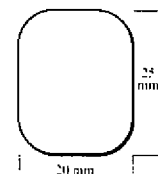
- Endodontic defect
- Bone graft containment



R4

#### Medium

- Endodontic defect
- Bone graft containment



R6

# REGENERATIVE THERAPY

## GORE SUTURES



In the past, clinicians had to choose between a suture tolerated well by tissue and a suture with good handling properties. Today, the trade-off is not necessary. All GORE sutures offer superior handling and biocompatibility.

### GORE RESOLUT SUTURES (Bioabsorbable)

**R5PRE345A** A 5-0 suture with a 16 mm reverse-cutting needle. This is a bioabsorbable suture with a needle equivalent to the standard GORE-TEX Suture.

**R6PRE245A** A 6-0 suture with a 13 mm reverse-cutting needle. This is a finer bioabsorbable suture with a smaller needle for delicate procedures such as gingival grafts or mucosal suturing.

**R5PR245A** A 5-0 suture with a 13 mm reverse-cutting needle. This can be used as an alternative to the R6PRE245 where a 1/2 circle needle is preferred.

### GORE-TEX SUTURES (Non-absorbable)

**P5K17A** A CV-5 suture with a 16 mm reverse-cutting needle. This is the standard GORE-TEX Suture provided with every piece of GORE Regenerative Materials. Many clinicians also select it for dental implant procedures or flap procedures in which they would prefer to leave the sutures in place for extended periods of time.

**P5K23A** A CV-5 suture with an 18 mm reverse-cutting needle. This can be used as an alternative to the P5K17 where a longer needle is preferred.

**P4K13A** A CV-4 suture with an 18 mm reverse-cutting needle. This can be used as an alternative to the P5K23 where a thicker suture is desired.

**P6K23A** A CV-6 suture with a 13 mm reverse-cutting needle. This is a finer suture with a smaller needle for delicate procedures such as gingival grafts or mucosal suturing.

**P6K25A** A CV-6 suture with a 16 mm reverse-cutting needle. This can be used as an alternative to the P6K23 where a 1/2 circle needle is preferred.

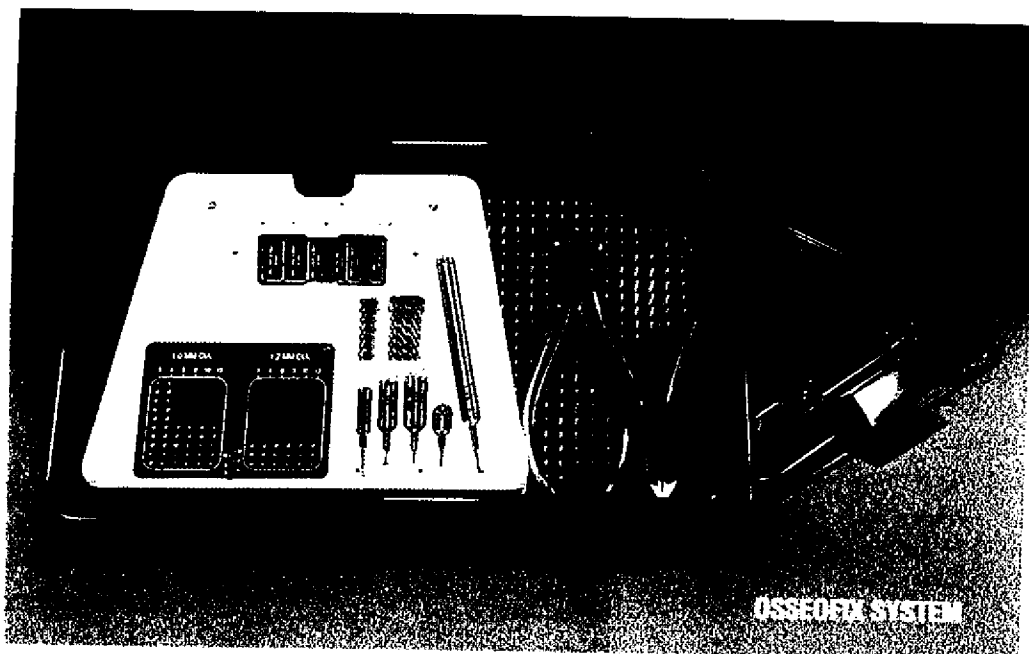
**P6K13A** A CV-6 suture with a 13 mm piercing point needle. This can be used where the clinician desires a piercing point needle to minimize tissue trauma.



# REGENERATIVE THERAPY

## OSSEOFIX™ SYSTEM

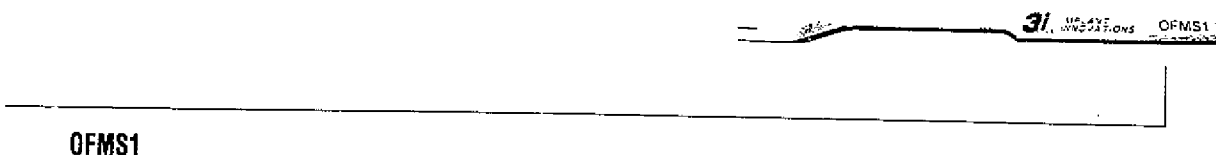
- OsseoFix is a complete guided bone regeneration system that includes components for membrane and graft fixation
- Low profile screw heads reduce the potential for soft tissue perforation and palpability
- Narrow diameter screws (1.0mm) maximize graft volume
- Vitallium™ (chrome cobalt) microplates and screws control membrane micromovement and maintain space under the membrane. Vitallium has a long history of osseocompatibility allowing for easy retrieval
- Friction fit squaredrive screwdrivers allow positive and secure engagement for direct delivery of screws to placement site



### OSSEOFIX MEMBRANE STABILIZER, SINGLE POINT



### OSSEOFIX MEMBRANE STABILIZER, DOUBLE POINT



# REGENERATIVE THERAPY

## OSSEOFIX AND OSSEOFIX SELECT SYSTEMS

### OsseoFix - Guided Bone Regeneration System

#### OFKIT Contents:

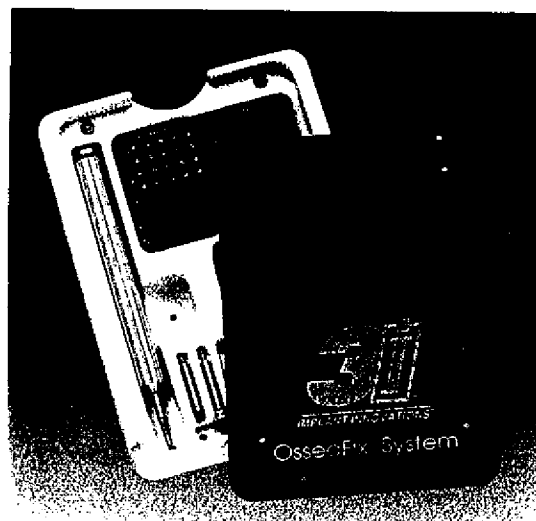
Qty	Catalog #	Description	Qty	Catalog #	Description
10	OFSQ13	Squaredrive Screw 1mm dia x 3mm L	2	OFDR3	Drill .70mm dia x 3mmL
10	OFSQ14	Squaredrive Screw 1mm dia x 4mm L	2	OFDR4	Drill .76mm dia x 4mmL
5	OFSQ16	Squaredrive Screw 1mm dia x 6mm L	1	OFDR8	Drill .76mm dia x 8mmL
5	OFSQ18	Squaredrive Screw 1mm dia x 8mm L	1	OFLD9	Drill Lag 1.1mm dia x 9mmL
5	OFSQ110	Squaredrive Screw 1mm dia x 10mm L	1	TRE04	Trephine Bur 4mm dia
5	OFSQ112	Squaredrive Screw 1mm dia x 12mm L	1	TRE06	Trephine Bur 6mm dia
3	OFSQW3	Squaredrive Screw 1.2mm dia x 3mm L	1	TRE08	Trephine Bur 8mm dia
3	OFSQW4	Squaredrive Screw 1.2mm dia x 4mm L	1	OFRD1	Round Drill 1mm dia
3	OFSQW6	Squaredrive Screw 1.2mm dia x 6mm L	1	OFRAQ1	Squaredrive Right Angle Screw Driver
3	OFSQW8	Squaredrive Screw 1.2mm dia x 8mm L	1	OFPDQ1	Squaredrive Posterior Screw Driver
3	OFSQW10	Squaredrive Screw 1.2mm dia x 10mm L	1	OFLDQ1	Squaredrive Long Screw Driver
3	OFSQW12	Squaredrive Screw 1.2mm dia x 12mm L	1	OFKC1	OsseoFix Microplate Cutter
4	OFF01	Microplate - Single Row	1	OFKB1	OsseoFix Microplate Bender
4	OFF03	Microplate - Three Row	1	OFKT1	OsseoFix System Organizer Tray
			1	OFKAC	OsseoFix System Autoclavable Case
			1	ART595	Instruction Manual

### OsseoFix Select - Membrane Stabilizing System

#### OFSKT Contents:

Qty	Catalog #	Description
10	OFSQ13	Squaredrive Screw 1mm dia x 3mm L
10	OFSQ14	Squaredrive Screw 1mm dia x 4mm L
1	OFDR3	Drill .70mm dia x 3mmL
1	OFDR4	Drill .76mm dia x 4mmL
1	OFLDQ1	Squaredrive Long Screw Driver
1	OFKT2	OsseoFix Select Organizer Tray

*Note: Organizer tray has space for additional instrumentation, screws and plates used in advanced GBR cases.*



See 3i OsseoFix Instruction Manual for procedural instructions

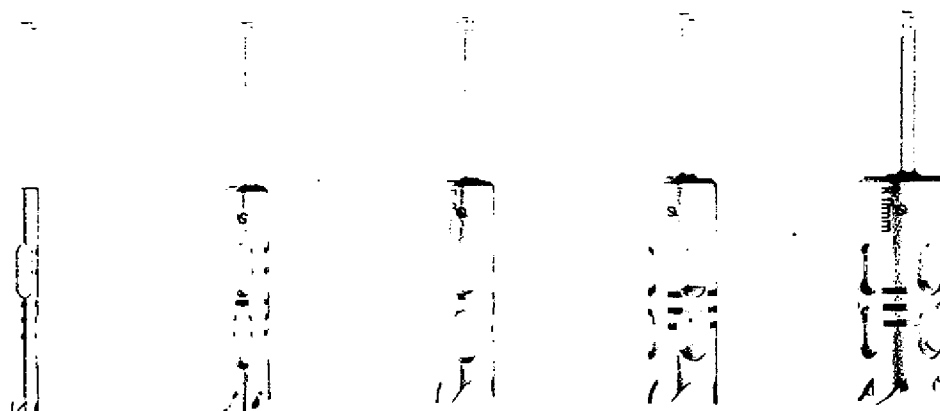
# ADVANCED THERAPY

## TREPHINE BURS

- For harvesting bone
- May be used for implant removal

### Dimensions

Inside Diameter	Outside Diameter
2mm	3mm
4mm	5mm
5mm	6mm
6mm	7mm
8mm	9.3mm



2mm dia  
TRE02

4mm dia  
TRE04

5mm dia  
TRE05

6mm dia  
TRE06

8mm dia  
TRE08

# ADVANCED THERAPY

## SINUS ELEVATION KIT

- Instruments for sinus window and membrane elevation, as well as placement of sinus graft

Kit\*  
SEKT1

\*Kit includes all featured products



ME200

Double end  
membrane elevators

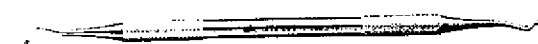


ME300

Single end  
membrane elevator

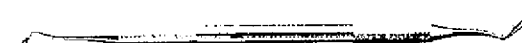


ME100

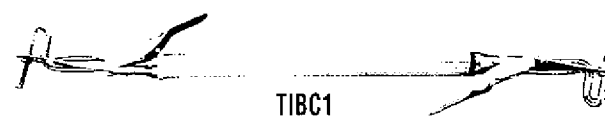


TIPS1

Titanium pluggers



TIPL1



TIBC1

Titanium coated  
bone carrier

ME200

ME300

ME100

TIPS1

TIPL1

TIBC1

A 36 minute instructional video of *Immediate Implant Placement and Sinus Lift Procedures*, by Richard J. Lazzara, DMD, MScD is available. VIDS5

See page 77 for related educational materials.

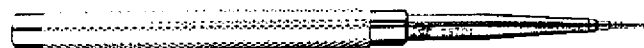


# ADVANCED THERAPY

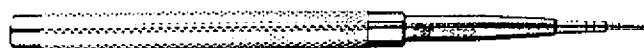
## SUMMERS OSTEOTOME KIT

- Used for implant placement, sinus elevation, ridge expansion, and future site preparation†
- As opposed to a pointed tip, concave tip to carry and push bone in front of the osteotome
- Less likely to tear membrane
- Tapered walls to laterally compress bone
- Sharp perimeter edge to shave bone from walls of site
- Series of matching sizes for multiple uses
- Laser lines match drill depth markings and implant lengths
- Can be used with threaded or cylinder implants
- Follows Summers Osteotome techniques for implant placement†

† Summers, R., *Compendium*, Vol. XV, No. 2, pp 152-160, 1994; Vol. XV, No. 4, pp 422-434, 1994; Vol. XV, No. 6, pp 698-708, 1994; Vol. 16, No. 11, pp. 1090-1099, 1995.



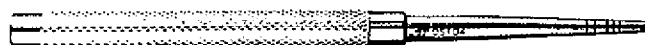
OST01



OST02



OST03



OST04

Kit\*  
OST00

\*Kit includes all featured products

OST01

OST02

OST03

OST04

## OSTEOTOME FOR 5.0mm WIDE DIAMETER IMPLANTS

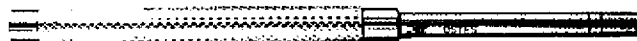
- For placement of 5.0mm Wide Diameter Implants following the Summers Osteotome technique



OST05

## OSTEOTOME FOR FUTURE SITE

- For future site creation following the Summers Osteotome technique
- Wide diameter to direct and carry bone

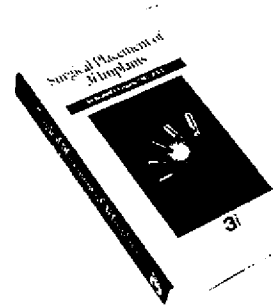


OSTFS

# EDUCATIONAL MATERIALS

## **SURGICAL PLACEMENT OF 3i IMPLANTS**

This instructive 50 minute video introduces the viewer to the 3i Implant System. A coordinated prosthetic and surgical approach to different types and sizes of implants is discussed.



**VIDS1**

## **SECOND STAGE SURGERY.**

This 35 minute video illustrates several approaches to the second-stage surgical procedure, as well as 3i components. Procedures to construct fixed transitional restorations at the time of second-stage surgery are also demonstrated.



**VIDS2**

## **IMMEDIATE IMPLANT PLACEMENT AND SINUS LIFT PROCEDURES**

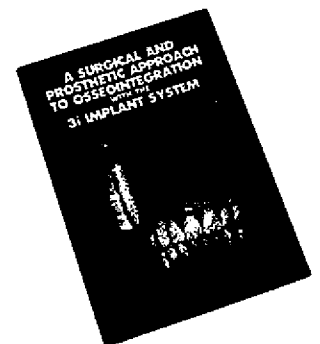
A 36 minute instructional video by Richard J. Lazzara, DMD, MScD.



**VIDS5**

## **A SURGICAL AND PROSTHETIC APPROACH TO OSSEointegration WITH THE 3i IMPLANT SYSTEM**

This illustrated atlas features surgical and prosthetic cases using the 3i Implant System by Enzo Brugnolo, MD, DDS, Gianpiero Cordioli, MD, DDS, Richard Lazzara, DMD, MScD, and Carlo Mazzocco, MD, DDS



**BKS03**

*Inc*

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**Implant Quick Reference**

**80**

**Healing Abutment Quick Reference**

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**Code Number Index**

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**Product Name Index**

**88**



# IMPLANT QUICK REFERENCE

THREADED IMPLANTS	7mmL	8.5mmL	10mmL	11.5mmL	13mmL	15mmL	18mmL	20mmL
<b>MICROMINIPLANT</b>								
3.25mm OSSEOTITE MicroMiniplant		OSM385	OSM310	OSM311	OSM313	OSM315	OSM318	
3.25mm ICE MicroMiniplant		MM385	MM310	MM311	MM313	MM315	MM318	
<b>MINIPLANT</b>								
3.25mm OSSEOTITE Miniplant		OS3285	OS3210	OS3211	OS3213	OS3215	OS3218	
3.25mm ICE Miniplant		MH385	MH310	MH311	MH313	MH315		
<b>STANDARD DIAMETER</b>								
3.75mm OSSEOTITE Standard Diameter		OSS385	OSS310	OSS311	OSS313	OSS315	OSS318	OSS320
3.75mm ICE Standard Diameter		ICE385	ICE310	ICE311	ICE313	ICE315	ICE318	ICE320
3.75mm ST Self-Tapping Standard Diameter		ST385	ST310		ST313	ST315	ST318	ST320
4.0mm OSSEOTITE Standard Diameter		OSS485	OSS410	OSS411	OSS413	OSS415	OSS418	OSS420
4.0mm ICE Standard Diameter		ICE485	ICE410	ICE411	ICE413	ICE415	ICE418	ICE420
<b>WIDE DIAMETER - 5.0mm</b>								
5.0mm OSSEOTITE Wide Diameter	OSS507	OSS585	OSS510	OSS511	OSS513	OSS515	OSS518	
5.0mm ICE Wide Diameter	ICE507	ICE585	ICE510	ICE511	ICE513	ICE515	ICE518	
<b>WIDE DIAMETER - 6.0mm</b>								
6.0mm OSSEOTITE Wide Diameter	OSS607	OSS685	OSS610	OSS611	OSS613	OSS615	OSS618	
6.0mm ICE Wide Diameter	ICE607	ICE685	ICE610	ICE611	ICE613	ICE615	ICE618	

CYLINDER IMPLANTS	7mmL	8.5mmL	10mmL	11.5mmL	13mmL	15mmL	18mmL	20mmL
<b>MICROMINIPLANT</b>								
3.3mm MicroMiniplant		TM385	TM310		TM313	TM315		
<b>MINIPLANT</b>								
3.3mm Miniplant		TH385	TH310		TH313	TH315		
<b>STANDARD DIAMETER</b>								
4.0mm Standard Diameter	TP407	TP485	TP410		TP413	TP415	TP418	
<b>WIDE DIAMETER - 5.0mm</b>								
5.0mm Wide Diameter	TP507	TP585	TP510		TP513			
<b>WIDE DIAMETER - 6.0mm</b>								
6.0mm Wide Diameter	TP607	TP685	TP610		TP613			

# HEALING ABUTMENT QUICK REFERENCE

For MICROMINIPLANT 3.25/3.3mm Implants	TRANS-TISSUE HEIGHT			
	2mm	4mm	6mm	8mm
<b>EP ONE-PIECE</b>				
One-Piece 3.8mm Flare	MHA32	MHA34	MHA36	
For MINIPLANT 3.25/3.3mm Implants and STANDARD 3.75/4.0/4.25mm Implants	TRANS-TISSUE HEIGHT			
	2mm	4mm	6mm	8mm
<b>EP ONE-PIECE</b>				
One-Piece 5.0mm Flare	THA52	THA54	THA56	THA58
One-Piece 6.0mm Flare		THA64	THA66	THA68
One-Piece 7.5mm Flare		THA74	THA76	THA78
<b>EP TWO-PIECE</b>				
Two-Piece 5.0mm Flare		TH254	TH256	TH258
Two-Piece 6.0mm Flare		TH264	TH266	TH268
Two-Piece 7.5mm Flare		TH274	TH276	TH278
<b>GINGISCULPT</b>				
GingiSCULPT Large Incisor		SALI4		
GingiSCULPT Small Incisor		SASI4		
GingiSCULPT Premolar		SABC4		
GingiSCULPT Molar		SAM04		
For WIDE DIAMETER 5.0mm Implants	TRANS-TISSUE HEIGHT			
	2mm	4mm	6mm	8mm
<b>EP ONE-PIECE</b>				
One-Piece 5.0mm Flare	WTH52	WTH54	WTH56	WTH58
One-Piece 6.0mm Flare	WTH562	WTH564	WTH566	
One-Piece 7.5mm Flare	WTH572	WTH574	WTH576	
<b>EP TWO-PIECE</b>				
Two-Piece 5.0mm Flare		WT2554	WT2556	WT2558
Two-Piece 6.0mm Flare		WT2564	WT2566	WT2568
Two-Piece 7.5mm Flare		WT2574	WT2576	WT2578
<b>GINGISCULPT</b>				
GingiSCULPT Large Incisor		SAL54		
GingiSCULPT Molar		SAM54		
For WIDE DIAMETER 6.0mm Implants	TRANS-TISSUE HEIGHT			
	2mm	4mm	6mm	8mm
<b>EP ONE-PIECE</b>				
One-Piece 6.0mm Flare	WTH62	WTH64	WTH66	
One-Piece 7.5mm Flare	WTH672	WTH674	WTH676	
<b>EP TWO-PIECE</b>				
Two-Piece 6.0mm Flare		WT2664	WT2666	WT2668
Two-Piece 7.5mm Flare		WT2674	WT2676	WT2678
<b>GINGISCULPT</b>				
GingiSCULPT Molar		SAM64		

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AG900	Prosthetic Angle Guide Kit	60	CSS37	Standard Diameter 3.75mm Implant Cover Screw	15
ART574	Radiographic Implant Transparency	40	CSS37	Standard Diameter 4.0mm Implant Cover Screw	19
BKSC3	Book - A Surgical and Prosthetic Approach to Osseointegration with the 3i Implant System	77	CW100	Open End Wrench	55
BP340	MicroMiniplant Bone Profiler 3.4mm dia/4mm Flare	63	DC100	Countersink Drill (Single-Patient-Use)	51
BP450	Miniplant/Standard Bone Profiler 4.1mm dia/5mm Flare	63	DC500	Pilot Countersink Drill for Wide Diameter Threaded Implants - 5.0mm (Single-Patient-Use)	51
BP460	Miniplant/Standard Bone Profiler 4.1mm dia/6mm Flare	63	DC600	Pilot Countersink Drill for Wide Diameter Threaded Implants - 6.0mm (Single-Patient-Use)	51
BP475	Miniplant/Standard Bone Profiler 4.1mm dia/7.5mm Flare	63	DDK210	3-Pack Single-Patient-Use Drill Kit for Implants 7-10mm	52
BP550	5.0mm Wide Diameter Bone Profiler 5mm dia/5mm Flare	63	DDK215	3-Pack Single-Patient-Use Drill Kit for Implants 7-15mm	52
BP560	5.0mm Wide Diameter Bone Profiler 5mm dia/6mm Flare	63	DDK220	3-Pack Single-Patient-Use Drill Kit for Implants 7-20mm	52
BP575	5.0mm Wide Diameter Bone Profiler 5mm dia/7.5mm Flare	63	DDK310	5-Pack Single-Patient-Use Drill Kit for Miniplants and Standard Diameter Implants 7-10mm	52
BP660	6.0mm Wide Diameter Bone Profiler 6mm dia/6mm Flare	63	DDK315	5-Pack Single-Patient-Use Drill Kit for Miniplants and Standard Diameter Implants 7-15mm	52
BP675	6.0mm Wide Diameter Bone Profiler 6mm dia/7.5mm Flare	63	DDK320	5-Pack Single-Patient-Use Drill Kit for Miniplants and Standard Diameter Implants 7-20mm	52
BPAKT	5.0/6.0mm Wide Diameter Bone Profiler Kit	63	DE016	Drill Extension	62
BPKIT	Standard Diameter Bone Profiler Kit	63	DI100	Direction Indicator 10mm	59
CATC1	Contra Angle Torque Controller 10Ncm	57	DI200	Direction Indicator 15mm	59
CATC2	Contra Angle Torque Controller 20Ncm	57	DP020	Implant Depth Probe	58
CATC3	Contra Angle Torque Controller 32Ncm	57	DP100	Pilot Drill 2mm (Single-Patient-Use)	47
CATDB	Contra Angle Torque Driver - Body	57	DR100	Round Drill (Single-Patient-Use)	47
CATDH	Contra Angle Pre-Action Handle	57	DT210	2.00mm Twist Drill 7-10mm (Single-Patient-Use)	47
CATDO	Contra Angle Torque Driver Kit	57	DT215	2.00mm Twist Drill 7-15mm (Single-Patient-Use)	47
CD100	Countersink Drill for Miniplant/Standard Threaded and Cylinder Implants (Multiple-Patient-Use)	51	DT220	2.00mm Twist Drill 7-20mm (Single-Patient-Use)	47
CD500	Pilot Countersink Drill for Wide Diameter Threaded Implants - 5.0mm (Multiple-Patient-Use)	51	DT2710	2.75mm Twist Drill 7-10mm (Single-Patient-Use)	48
CD600	Pilot Countersink Drill for Wide Diameter Threaded Implants - 6.0mm (Multiple-Patient-Use)	51	DT2715	2.75mm Twist Drill 7-15mm (Single-Patient-Use)	48
CS500	Wide Diameter 5.0mm Implant Cover Screw	23	DT2720	2.75mm Twist Drill 7-20mm (Single-Patient-Use)	48
CS600	Wide Diameter 6.0mm Implant Cover Screw	27	DT310	3.00mm Twist Drill 7-10mm (Single-Patient-Use)	47
CSI10	Miniplant/Standard Cover Screw Insertor	60	DT315	3.00mm Twist Drill 7-15mm (Single-Patient-Use)	47
CSI50	5.0mm Wide Diameter Cover Screw Insertor	60	DT320	3.00mm Twist Drill 7-20mm (Single-Patient-Use)	47
CSI60	6.0mm Wide Diameter Cover Screw Insertor	60	DT3110	3.15mm Twist Drill 7-10mm (Single-Patient-Use)	48
CSIMM	MicroMiniplant Cover Screw Insertor	60	DT3115	3.15mm Twist Drill 7-15mm (Single-Patient-Use)	48
CSPHS	Surgical Pack - Hospital Standard	41	DT3120	3.15mm Twist Drill 7-20mm (Single-Patient-Use)	48
CSPOS	Surgical Pack - Office Standard	41	DT3210	3.25mm Twist Drill 7-10mm (Single-Patient-Use)	48
CSPOI	Surgical Pack - Office Standard (Internal Irrigation)	41	DT3215	3.25mm Twist Drill 7-15mm (Single-Patient-Use)	48
CSS27	MicroMiniplant 3.25mm Headless Cover Screw	5	DT3220	3.25mm Twist Drill 7-20mm (Single-Patient-Use)	48
CSS27	Miniplant 3.25mm Headless Cover Screw	9	DT428	4.25mm Twist Drill 7-8.5mm (Single-Patient-Use)	49
CSS27	Standard Diameter 3.75mm Headless Cover Screw	15	DT423	4.25mm Twist Drill 7-13mm (Single-Patient-Use)	49
CSS27	Standard Diameter 4.0mm Headless Cover Screw	19	DT4218	4.25mm Twist Drill 7-18mm (Single-Patient-Use)	49
CSS27	Wide Diameter 5.0mm Headless Cover Screw	23	DT528	5.25mm Twist Drill 7-8.5mm (Single-Patient-Use)	49
CSS27	Wide Diameter 6.0mm Headless Cover Screw	27	DT523	5.25mm Twist Drill 7-13mm (Single-Patient-Use)	49
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DU300	Surgical Drilling Unit	42	ICE513	Wide Diameter 5.0 x 13mm ICE Super Self-Tapping	22
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GT6	GORE-TEX Submerged Configuration Medium	67	ICE518	Wide Diameter 5.0 x 18mm ICE Super Self-Tapping	22
GT9	GORE-TEX Submerged Configuration Large	67	ICE607	Wide Diameter 6.0 x 7mm ICE Super Self-Tapping	26
GT10	GORE-TEX Submerged Configuration Large	67	ICE685	Wide Diameter 6.0 x 8.5mm ICE Super Self-Tapping	26
GTA1	GORE-TEX Transgingival Configuration Anterior Wraparound	66	ICE610	Wide Diameter 6.0 x 10mm ICE Super Self-Tapping	26
GTA2	GORE-TEX Transgingival Configuration Posterior Wraparound	66	ICE611	Wide Diameter 6.0 x 11.5mm ICE Super Self-Tapping	26
GTA4	GORE-TEX Transgingival Configuration X-Large Wraparound	66	ICE613	Wide Diameter 6.0 x 13mm ICE Super Self-Tapping	26
GTI1	GORE-TEX Transgingival Configuration Anterior Interproximal	66	ICE615	Wide Diameter 6.0 x 15mm ICE Super Self-Tapping	26
GTI2	GORE-TEX Transgingival Configuration Posterior Interproximal	66	ICE618	Wide Diameter 6.0 x 18mm ICE Super Self-Tapping	26
GTN1	GORE-TEX Transgingival Configuration Single Tooth Narrow	66	IDG30	Cylinder Implant Depth Gauge 3.3mm	58
GTN2	GORE-TEX Transgingival Configuration Single Tooth X-Large	66	IDG40	Cylinder Implant Depth Gauge 4.0mm	58
GTW1	GORE-TEX Transgingival Configuration Single Tooth Wide	66	IDG50	Cylinder Implant Depth Gauge 5.0mm	58
GTW2	GORE-TEX Transgingival Configuration Single Tooth Wide X-Large	66	IDG60	Cylinder Implant Depth Gauge 6.0mm	58
IC015	Miniplant, Standard and Wide Diameter Mount 15mm	54	ISI10	Implant Seating Instrument - Anterior	59
IC100	Surgical Index Coping Assembly	61	ISI15	Implant Seating Instrument - Posterior	59
ICE385	Standard Diameter 3.75 x 8.5mm ICE Super Self-Tapping	14	ITD428	4.25mm Twist Drill 7-8.5mm (Multiple-Patient-Use)	49
ICE310	Standard Diameter 3.75 x 10mm ICE Super Self-Tapping	14	ITD423	4.25mm Twist Drill 7-13mm (Multiple-Patient-Use)	49
ICE311	Standard Diameter 3.75 x 11.5mm ICE Super Self-Tapping	14	ITD421S	4.25mm Twist Drill 7-18mm (Multiple-Patient-Use)	49
ICE313	Standard Diameter 3.75 x 13mm ICE Super Self-Tapping	14	ITD528	5.25mm Twist Drill 7-8.5mm (Multiple-Patient-Use)	49
ICE315	Standard Diameter 3.75 x 15mm ICE Super Self-Tapping	14	ITD523	5.25mm Twist Drill 7-13mm (Multiple-Patient-Use)	49
ICE318	Standard Diameter 3.75 x 18mm ICE Super Self-Tapping	14	ITD521S	5.25mm Twist Drill 7-18mm (Multiple-Patient-Use)	49
ICE320	Standard Diameter 3.75 x 20mm ICE Super Self-Tapping	14	MALL1	Mallet	59
ICE485	Standard Diameter 4.0 x 8.5mm ICE Super Self-Tapping	18	MDR10	Handpiece Connector	58
ICE410	Standard Diameter 4.0 x 10mm ICE Super Self-Tapping	18	ME100	Single End Membrane Elevator	75
ICE411	Standard Diameter 4.0 x 11.5mm ICE Super Self-Tapping	18	ME200	Double End Membrane Elevator - Medium	75
ICE413	Standard Diameter 4.0 x 13mm ICE Super Self-Tapping	18	ME300	Double End Membrane Elevator - Large	75
ICE415	Standard Diameter 4.0 x 15mm ICE Super Self-Tapping	18	MH385	Miniplant 3.25 x 8.5mm ICE Super Self-Tapping	8
ICE418	Standard Diameter 4.0 x 18mm ICE Super Self-Tapping	18	MH310	Miniplant 3.25 x 10mm ICE Super Self-Tapping	8
ICE420	Standard Diameter 4.0 x 20mm ICE Super Self-Tapping	18	MH311	Miniplant 3.25 x 11.5mm ICE Super Self-Tapping	8
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**3i**

Present Customer:

☐ Yes

☐ No

### Billing Information

Date Order Placed

P.O. Number

Fax (Include Area Code) \_\_\_\_\_

Shipping Information	Payment Method
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### Payment Method

Visa   Mastercard   American Express

Exp. Date \_\_\_\_\_

— Bill Net 30

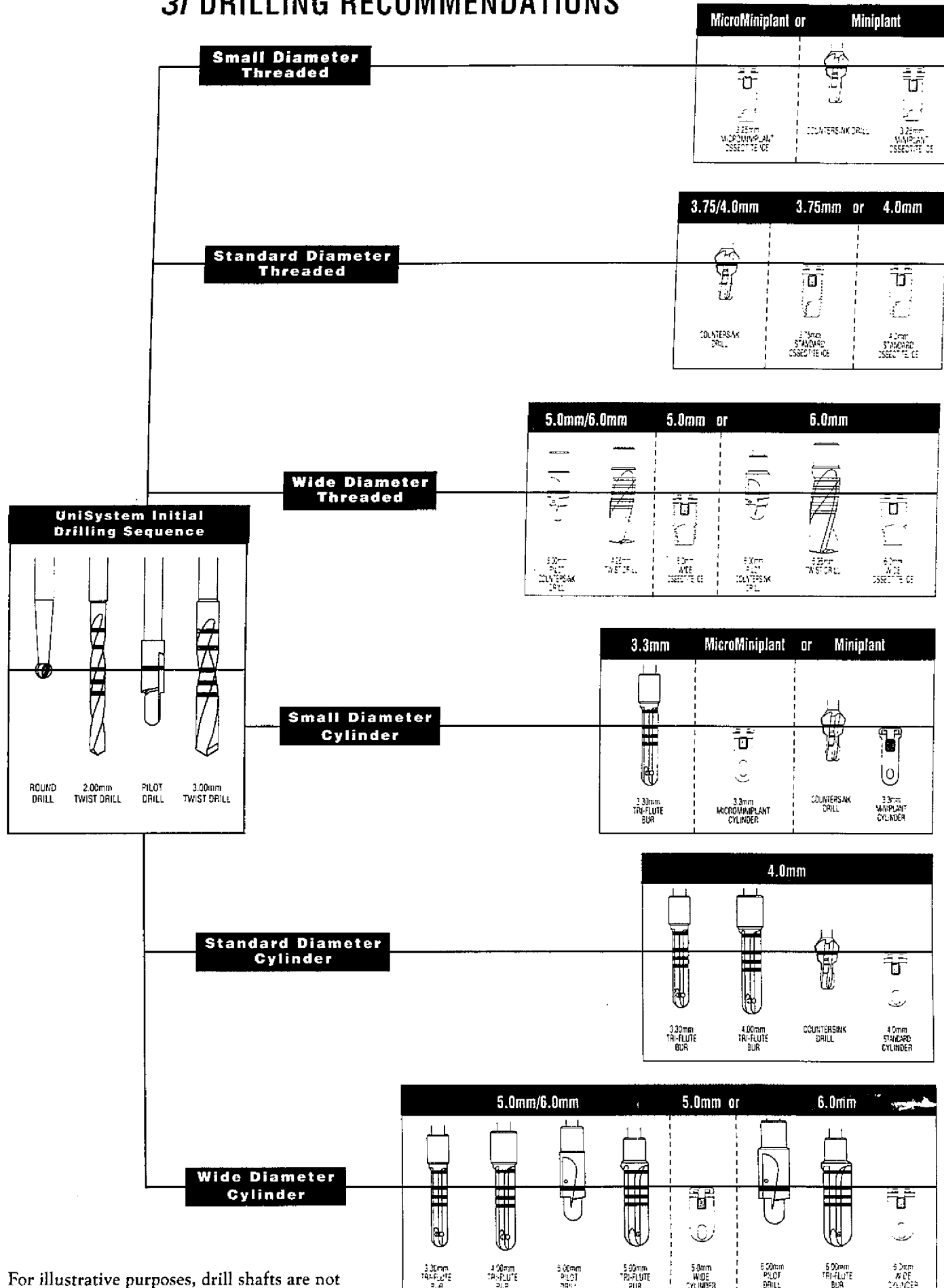
**Shipping Method (check one)**

— Saturday Delivery

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Thank you for your patronage! For further assistance, call **3i** Customer Service at 800-342-5454.

# 3i DRILLING RECOMMENDATIONS



## ORDERING INFORMATION

### To Place an Order:

Contact your local *3i* representative or call:

*3i* Customer Service

Monday-Friday

8am-5pm (EST)

9am-5pm (PST)

800-363-1980

561-776-6700 Fax

Monday-Friday 800-363-1980

Outside US: 561-776-6700

### Warranty:

Implant Innovations, Inc. makes no other warranty, expressed or implied, except that its products shall be free from defects in material and/or workmanship and shall be of merchantable quality. This warranty applies only to the original purchaser. In the event of a defect, please notify *3i* immediately prior to returning the instrument. *3i* will, at its discretion, either repair, replace, or issue credit for such product.

*3i* assumes all risks and liabilities resulting from the use of its products, whether used separately or in combination with other products not manufactured by *3i*.

*3i* recommends completion of formal *3i* implant education and strict adherence to the procedures described in the *3i* implant manuals.

*3i* continually strives to improve its products and therefore reserves the right to improve, modify or discontinue its products at any time, or change specifications without incurring obligation.

The use of *3i* implants is restricted to sale by, or on behalf of, a qualified dentist.

*3i* implants are certified to be sterile and are not to be damaged.

### Returned Goods Policy:

Customers may return *unopened and undamaged 3i* products only upon prior authorization from the *3i* Customer Service Department. Return product freight prepaid with accompanying authorization number to:

Returns Department

*3i* Implant Innovations, Inc.

4555 Riverside Drive

Palm Beach Gardens, FL 33410

A 15% restocking charge will be assessed to all items accepted for return after 60 days.

Accepted returns will be credited to the customer's open account.

No returns accepted after 90 days.

### Export Orders:

Requires advance payment or letter of credit.

Shipments are made either freight collect or paid by *3i* and added to invoice. Unless special instructions are received with the order, the shipping method will be determined by *3i*, F.O.B. Palm Beach Gardens, FL.

### Trademarks:

"*3i*", "Implant Innovations", "MicroMiniplant", "Miniplant", "OSSEOTITE" and "ICE" are registered trademarks of Implant Innovations, Inc. "Gold Standard ZR", "No-Touch", "EP", "OsseoFix", "*3i* UniSystem", and "GingiSCULPT" are trademarks of Implant Innovations, Inc. "Vitallium" is a registered trademark of Pfizer Inc.

#### Patent Notice:

"OSSEOTITE" implants are covered by

U.S. Patent No. 5,603,338

"No-Touch" Delivery System is covered by

U.S. Patent No. 5,582,299

"EP" System is covered by

U.S. Patent No. 5,338,196

"ICE" Super Self-Tapping Implants-- Patent Pending

The implants illustrated in this brochure, the "No Touch" delivery system, and the "Gold Standard ZR" design are covered by patents and pending applications of Implant Innovations, Inc.



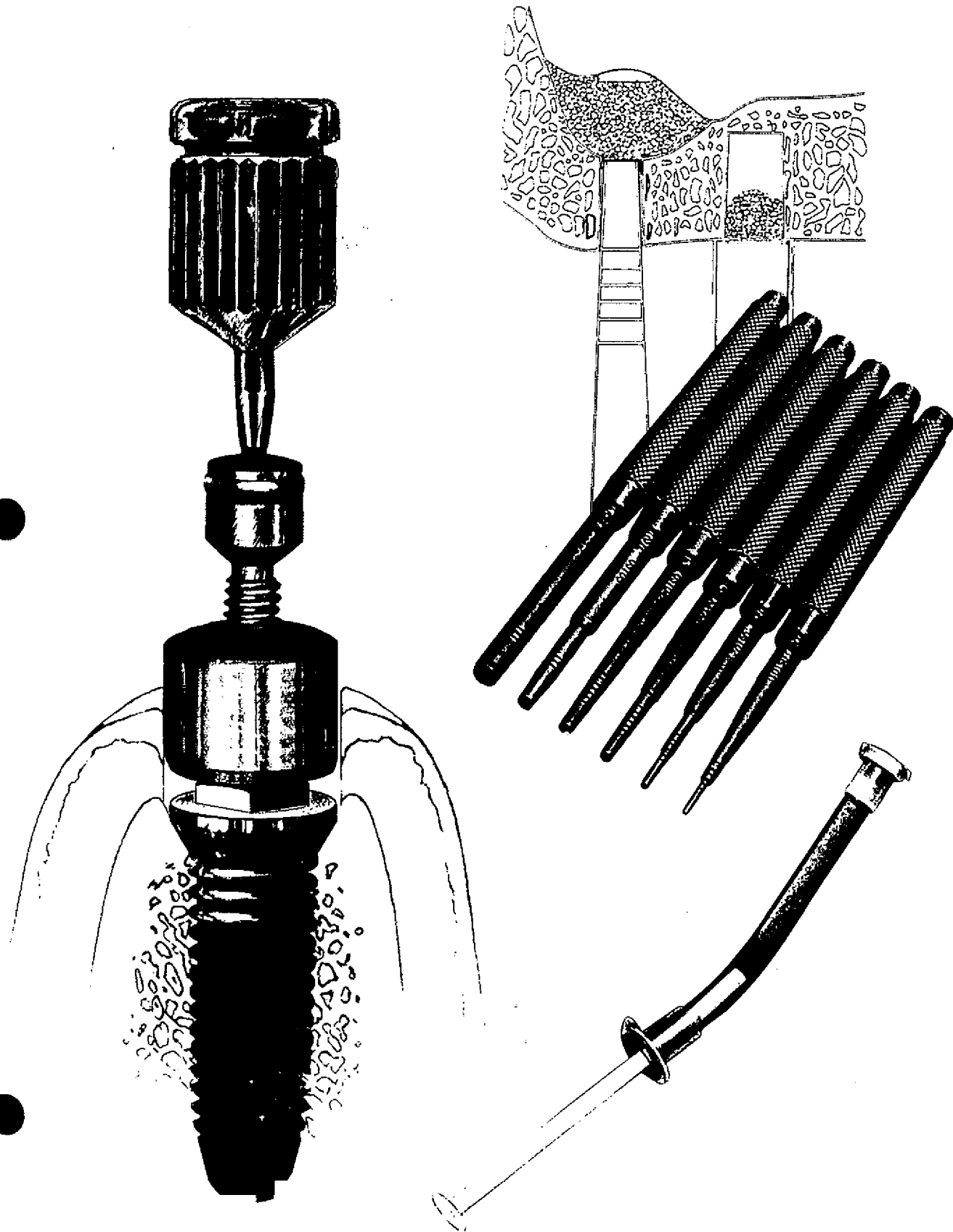
**IMPLANT INNOVATIONS®**

4555 Riverside Drive

Palm Beach Gardens, FL 33410

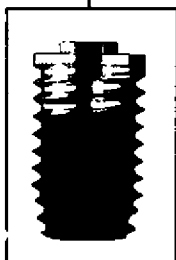
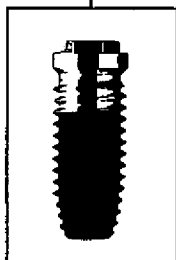
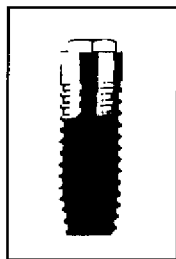
# *Surgical Catalog*

# 3i



# The 3i Implant System

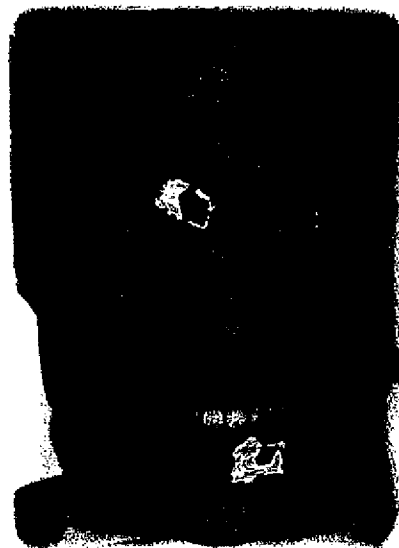
## MATCHING THE IMPLANT SYSTEM TO THE PATIENT



The 3i Implant System was developed to provide clinicians with a full range of surgical and prosthetic options to match the implant to the patient's needs. The final prosthesis must be considered before the implant selection and case plan can be developed. The surgeon must also balance the available restorative space, with the space available for implant placement.

### Choices Lead To Solutions

*The versatility of the 3i Implant System allows the implant team to select the proper implant type and size to fit the patient's requirements. 3i offers a system of simple, logical treatment options to enhance your clinical results and make your patients smile.*



# THE 3i IMPLANT SYSTEM: KEYS TO IMPLANT SELECTION

## Crown Dimensions and Occlusal Load Assessment

The implant seating surface should be slightly smaller than the dimension of the prosthetic tooth. This ensures tissue flare, proper emergence and prosthetic accuracy.

## Bone Anatomy Evaluation

Bone quality, as well as ridge height and width, must be measured. There should be a minimum space of 6.5mm between the implant and the roots of the adjacent teeth, and 1mm of bone around the facial and lingual implant areas.

## Tissue Management and Emergence Profile Considerations

Tissue management is improved using 3i EP<sup>®</sup> healing abutments to guide soft tissue healing at Stage II Surgery for anatomical tooth dimensions. As a result, the natural contours of the tooth are replicated without compromise. To ensure emergence profile, there should be a minimum distance of 1.25mm from the edge of the abutment to the proximal height contour of the adjacent tooth.

## IMPLANT INDICATIONS FOR TG OSSEOTITE™

Implant Body Width	Seating Surface Width	Minimum Restorative Space	Indications
3.25mm Threaded	4.8mm	7.5mm	<ul style="list-style-type: none"><li>- Maxillary Lateral Incisors</li><li>- Maxillary Canines</li><li>- Maxillary &amp; Mandibular Premolars</li></ul>
4.0mm Threaded	4.8mm	7.5mm	<ul style="list-style-type: none"><li>- Maxillary Lateral Incisors</li><li>- Maxillary &amp; Mandibular Canines</li><li>- Maxillary &amp; Mandibular Molars</li><li>- Maxillary Premolars</li></ul>
5.0mm Threaded	4.8mm	7.5mm	<ul style="list-style-type: none"><li>- Maxillary Central Incisors</li><li>- Maxillary &amp; Mandibular Canines</li><li>- Maxillary &amp; Mandibular Molars</li><li>- Extraction Sites</li></ul>



# IMPLANT INDICATIONS FOR EXTERNALLY HEXED IMPLANTS

Implant Body Width	Seating Surface Width	Minimum Restorative Space	Indications
<b>MicroMiniplant™</b>			
3.25mm Threaded			<b>Small Prosthetic Spaces</b> When bone width is 4mm or less <ul style="list-style-type: none"><li>– Maxillary Lateral Incisors</li><li>– Mandibular Central Incisors</li><li>– Mandibular Lateral Incisors</li></ul>
3.3mm Cylinder			
<b>OSSEOTITE XP™ 3/4 &amp; Miniplant 4.1mm</b>			
3.25mm Threaded			<b>Narrow Ridges</b> When bone width is 5mm or less <ul style="list-style-type: none"><li>– Maxillary Lateral Incisors</li><li>– Maxillary Canines</li><li>– Maxillary Premolars</li><li>– Mandibular Premolars</li><li>– Extraction Sites</li></ul>
3.3mm Cylinder			
<b>Standard - 3.75mm</b>			
3.75mm Threaded			<ul style="list-style-type: none"><li>– Maxillary Lateral Incisors</li><li>– Maxillary &amp; Mandibular Canines</li><li>– Maxillary &amp; Mandibular Premolars</li><li>– Extraction Sites</li></ul>
<b>Standard - 4.0mm</b>			
4.0mm Threaded			<ul style="list-style-type: none"><li>– Maxillary Lateral Incisors</li><li>– Maxillary &amp; Mandibular Canines</li><li>– Maxillary &amp; Mandibular Premolars</li><li>– Maxillary &amp; Mandibular Molars</li><li>– Extraction Sites</li></ul>
4.0mm Cylinder			
<b>OSSEOTITE XP 4/5</b>			
4.0mm Threaded			<ul style="list-style-type: none"><li>– Maxillary Central Incisors</li><li>– Maxillary &amp; Mandibular Canines</li><li>– Maxillary &amp; Mandibular Molars</li><li>– Extraction Sites</li></ul>
<b>Wide Diameter - 5.0mm</b>			
5.0mm Threaded			<ul style="list-style-type: none"><li>– Maxillary Central Incisors</li><li>– Maxillary &amp; Mandibular Molars</li><li>– Extraction Sites</li></ul>
5.0mm Cylinder			
<b>OSSEOTITE XP 5/6</b>			
5.0mm Threaded			<ul style="list-style-type: none"><li>– Maxillary Central Incisors</li><li>– Maxillary &amp; Mandibular Molars</li><li>– Extraction Sites</li></ul>
<b>Wide Diameter - 6.0mm</b>			
6.0mm Threaded			<ul style="list-style-type: none"><li>– Maxillary Central Incisors</li><li>– Maxillary &amp; Mandibular Molars</li><li>– Extraction Sites</li></ul>
6.0mm Cylinder			

# HOW TO USE THIS EASY ORDER CATALOG

*This catalog has been divided for easy ordering.*

## How to Choose an Implant

Open the front cover for **Implant Recommendations and Indications**. This information can be used to help identify the correct implant type and size for all areas of the mouth.

### THE 3/ IMPLANT SYSTEM: KEYS TO IMPLANT SELECTION

#### Crown Dimensions and Occlusal Load Assessment

The implant seating surface should be slightly smaller than the dimension of the prosthetic tooth. This ensures tissue flare, proper emergence and prosthetic accuracy.

#### Bone Anatomy Evaluation

Bone quality, as well as ridge height and width must be measured. There should be a minimum space of 6.5mm between the implant and the roots of the adjacent teeth, and 1mm of bone around the facial and lingual implant areas.

#### Tissue Management and Emergence Profile Considerations

Tissue management is improved using 3/ EP™ healing abutments to guide soft tissue healing at Stage II Surgery for anatomical tooth dimensions. As a result, the natural contours of the tooth are replicated without compromise. To ensure emergence profile, there should be a minimum distance of 1.25mm from the edge of the abutment to the proximal height contour of the adjacent tooth.

### IMPLANT INDICATIONS FOR TG OSSEOTITE

Implant Body Width	Seating Surface Width	Minimum Restorative Space	Indications
<b>1/20 OSSEOTITE Mini-Implant</b> 3.25mm Threaded	4.8mm	7.5mm	- Maxillary Lateral Incisor - Maxillary Canines - Maxillary & Mandibular Premolars
<b>1/20 OSSEOTITE Standard</b> 4.0mm Threaded	4.8mm	7.5mm	- Maxillary Lateral Incisors - Maxillary & Mandibular Canines - Maxillary & Mandibular Molars - Maxillary Premolars
<b>5/20 Wide Diameter</b> 5.0mm Threaded	4.8mm	7.5mm	- Maxillary Central Incisors - Maxillary & Mandibular Canines - Maxillary & Mandibular Molars - Extraction Sites

### IMPLANT INDICATIONS FOR EXTERNALLY HEXED IMPLANTS

Implant Body Width	Seating Surface Width	Minimum Restorative Space	Indications
<b>MicroMini-Implant</b> 1.25mm Threaded 1.3mm Cylinder			- Small Prosthetic Spaces When bone width is 4mm or less - Maxillary Lateral Incisors - Mandibular Central Incisors - Mandibular Lateral Incisors
<b>OSSEOTITE XP 1/4</b> 3.25mm Threaded 3.3mm Cylinder			- Narrow Ridges When bone width is 5mm or less - Maxillary Lateral Incisors - Maxillary Canines - Maxillary Premolars - Mandibular Premolars - Extraction Sites
<b>Standard - 3/16</b> 3.75mm Threaded			- Maxillary Lateral Incisor - Maxillary & Mandibular Canines - Maxillary & Mandibular Premolars - Extraction Sites
<b>Standard - 4/16</b> 4.0mm Threaded 4.0/4.25mm Cylinder			- Maxillary Lateral Incisor - Maxillary & Mandibular Canines - Maxillary & Mandibular Premolars - Maxillary & Mandibular Molars - Extraction Sites
<b>OSSEOTITE XP 4/16</b> 4.0mm Threaded			- Maxillary Central Incisors - Maxillary & Mandibular Canines - Maxillary & Mandibular Molars - Extraction Sites
<b>Wide Diameter - 5/16</b> 5.0mm Threaded 5.0mm Cylinder	5.0mm	7.5mm	- Maxillary Central Incisors - Maxillary & Mandibular Canines - Maxillary & Mandibular Molars - Extraction Sites
<b>OSSEOTITE XP 5/16</b> 5.0mm Threaded			- Maxillary Central Incisor - Maxillary & Mandibular Molars - Extraction Sites
<b>Wide Diameter - 6/16</b> 6.0mm Threaded 6.0mm Cylinder	6.0mm	8.5mm	- Maxillary Central Incisor - Maxillary & Mandibular Molars - Extraction Sites

## Implant Options

This section begins on page 1 and is divided into two sections: Externally Hexed & Transgingival (TG). Within each section, the implants are ordered by implant diameter:

### Externally Hexed Implants

MicroMiniplant  
3.25mm

#### MicroMiniplant™

Small Prosthetic Spaces  
3.25mm diameter

OSSEOTITE XP  
& Miniplant  
3.25mm

#### OSSEOTITE XP™ 3/4 & Miniplant®

Narrow Ridges  
3.25mm diameter

Standard  
3.75/4.0mm  
OSSEOTITE XP 4/5

#### Standard & OSSEOTITE XP 4/5

Implants that fit the width of the Alveolar Crest  
(5.0mm minimum crown dimension)  
3.75mm diameter  
4.0mm diameter

Wide Diameter  
5.0/6.0mm  
OSSEOTITE XP 5/6

#### Wide Diameter & OSSEOTITE XP 5/6

Areas of poor quality bone, limited bone height,  
and high occlusal stress  
5.0mm diameter  
6.0mm diameter

### Transgingival (TG) Implants

For areas with a 5.0mm minimum crown dimension

TG OSSEOTITE

#### TG OSSEOTITE® Miniplant

For Narrow Ridges  
3.25mm diameter

TG OSSEOTITE  
Standard

#### TG OSSEOTITE Standard

For implants that fit the width of the  
Alveolar Crest  
4.0mm diameter

TG OSSEOTITE  
Wide Diameter

#### TG OSSEOTITE Wide Diameter

Areas of poor quality bone, limited bone height,  
and high occlusal stress  
5.0mm diameter

## Healing Abutment Choices

This section begins on page 36 and is ordered by corresponding implant sizes.

Healing  
Abutments

#### MicroMiniplant Healing Abutments

For use with all MicroMiniplants (3.25mm)

#### Standard Healing Abutments

For use with OSSEOTITE XP 3/4, Miniplants (3.25mm)  
& Standard (3.75mm/4.0mm) Implants

#### Wide Diameter 5.0mm Healing Abutments

For use with OSSEOTITE XP 4/5 &  
Wide Diameter (5.0mm) Implants

#### Wide Diameter 6.0mm Healing Abutments

For use with OSSEOTITE XP 5/6 &  
Wide Diameter (6.0mm) Implants

## Surgical Products

Surgical  
Products

This section begins on page 42 and features:

Drilling Unit  
Depth Measurement System  
Surgical Kits  
Single-Patient-Use Drill Kits  
Bone Taps  
Implant Mounts  
Implant Wrenches  
Implant Drivers  
Mechanical Implant Drivers  
Surgical Instrumentation  
Diagnostic Tools

## Regenerative Therapy

Regenerative  
Therapy

This section begins on page 62 and features:

BIOGRAN® Resorbable Synthetic Bone Graft  
BIOTACK® Bioabsorbable Membrane  
Fixation System  
OSSEOFIX® Systems  
BONE-MILL

## Advanced Therapy Instrumentation

This section begins on page 69 and features:

Trephine Burs  
Surgical Index Coping Assembly  
Sinus Elevation Kit  
Summers Osteotome Kit

## Educational Materials

Educational  
Materials

This section list is on page 72 and is  
dedicated to a variety of instructional  
guides and patient education materials.

## Index

Index

This section begins on page 74. For easy  
ordering, this section includes:

Implant Quick Reference  
Healing Abutment Quick Reference  
Code Number Index

# **3i** BLENDS INNOVATION, SERVICE AND QUALITY

Meeting customers' needs with innovation, service and quality is the guiding principle of **3i**. Founded in 1987, **3i** initially manufactured prosthetic components for a customer base limited to North America. Today, **3i**, a Biomet Company offers a full range of oral rehabilitative products, from regeneration through restoration. This has been made possible with new product innovations from **3i** and partnerships with industry leaders.

## **Putting Innovation to Clinical Use**

**3i's** commitment to extensive product research and development is based on listening to individual customer needs. We strive to improve implant dentistry by manufacturing products that are easier to use and result in improved aesthetics for patient satisfaction.

Through a combination of innovation and clinical testing, **3i** has developed a number of products that continue to change the face of implant dentistry. We were the first to fully develop a complete UCLA Abutment System, the Gold Standard ZR™ Zero\* Rotation Abutment Series, and the No-Touch™ Delivery System. **3i** pioneered the Emergence Profile System™, the OSSEOTITE® surface, and the ICE® (Incremental Cutting Edge) design. Among our latest innovations is the expansion of the OSSEOTITE implant line to include our OSSEOTITE XP™ (Expanded Platform) implants.

## **Evidence Based Innovation**

**3i** maintains a full-time research staff that manages research in 72 individual study centers throughout the world. **3i's** research projects include 2,700 patients and over 8,300 implants placed. The data retrieved from these projects allows **3i** to continue to offer proven innovative solutions.



\* Less than 1 degree total angular motion

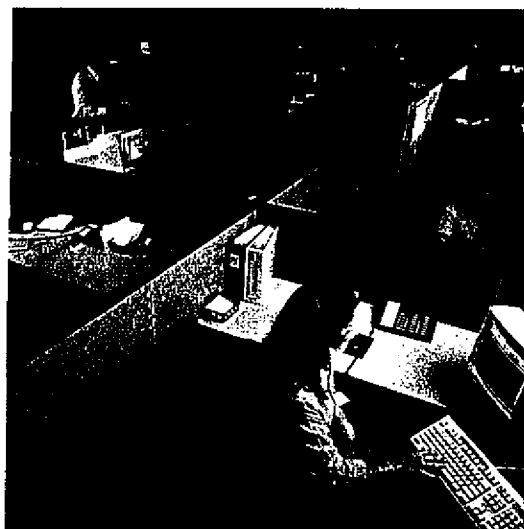
## Building Partnerships With Our Customers

3i takes pride in building partnerships with our customers. The goal of all 3i employees is to emphasize personal service to help the practitioner develop the best situation for the patient. We are a company that is owned and staffed by dental professionals including: dentists, dental assistants, hygienists, and lab technicians. 3i Customer Service Representatives are available by phone to provide answers to both product related and application questions. Clinicians are also on staff to assist with more advanced questions. 3i's commitment to the practitioner includes face-to-face interaction with our leading domestic and global sales teams. Servicing local and regional areas, these teams provide the latest in dental technology and knowledge.

## Recognized Leader in Design, Quality and Precision

Precision engineering and quality assurance have come to be synonymous with the 3i name. We take pride in designing, developing, testing and manufacturing all 3i products. 3i's product development program includes using Computer Aided Design (CAD) to facilitate life-like prototyping, as well as rigorous mechanical and clinical testing at every level. Our computer-driven calibration of the manufacturing process ensures precision production to design specifications. 3i's Total Quality Management initiatives are unmatched leading us toward zero defect programs. We are ISO9001/ EN46001-certified and have obtained the CE mark for distribution of implants within the European Economic Union.

3i's material and engineering specifications set extremely tight manufacturing tolerances for more than 1,200 3i parts and components. A study published by Paul P. Binon, DDS, MSD, in *The International Journal of Prosthodontics* reported that 3i achieves the greatest machining accuracy and consistency of any dental implant manufacturer, both within critical product components and throughout the entire system.



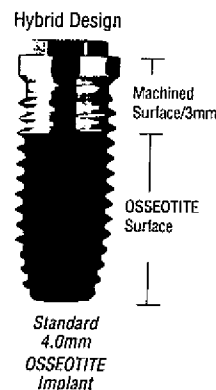
# INNOVATIVE PRODUCTS ANSWER CLINICAL NEEDS

**3i** has a history of engineering products which are clinical firsts. Advancements like the following have established **3i** as the leading innovator in implant dentistry:

## OSSEOTITE Surface

### Increases Clot Retention and is Conducive to Bone Healing

**3i** threaded implants are available with the OSSEOTITE surface. The unique texture of the permanent OSSEOTITE surface increases clot retention and is conducive to bone healing. The OSSEOTITE implant is the first "Hybrid" design that potentially optimizes hard and soft tissue response. Shown to enhance performance in poor quality bone, the OSSEOTITE implant has a 98.6% overall success rate. The success and proven performance of OSSEOTITE has lead to the development of a full implant line for increased surgical options.



## OSSEOTITE XP Expanded Platform Implant

**3i** expanded the proven OSSEOTITE implant line to include OSSEOTITE XP, an implant design with an expanded prosthetic platform. The tapered body and expanded platform allow for placement within narrow bone dimensions while still providing a wide prosthetic table for improved function and aesthetics. Ideal for extraction sockets, narrow ridges and concavities, the OSSEOTITE XP Implant can also be used in cases where a wide diameter implant is preferable, yet there is insufficient bone available.



## 3i Wide Diameter OSSEOTITE Implants

**3i** Wide Diameter OSSEOTITE Implants are uniquely designed for superior self-tapping performance and clinical outcomes and have demonstrated a 95.5% overall success rate in controlled clinical studies. Compared to other wide diameter implants, the unique ICE design of the **3i** Wide Diameter Implants significantly reduces the need for pre-tapping and eases implant placement. The clot retentive nature of the OSSEOTITE surface enhances performance in poor quality bone and leads to predictable, successful clinical outcomes.



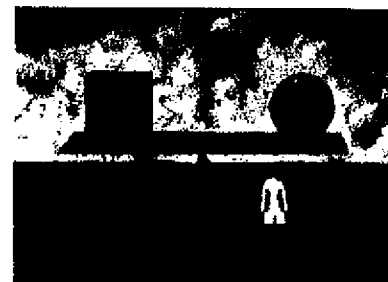
## TG OSSEOTITE Transgingival Implant

The TG OSSEOTITE Implant utilizes a single stage surgical protocol with traditional crown and bridge restorative techniques to provide a reliable implant system with restorative simplicity. The unique design of this pre-mounted implant has 85% greater fatigue strength and 29% greater lateral stability than comparable competitive implants. As with all OSSEOTITE implants, the TG OSSEOTITE Implant incorporates the clot retentive surface as well as the ICE super self-tapping performance.



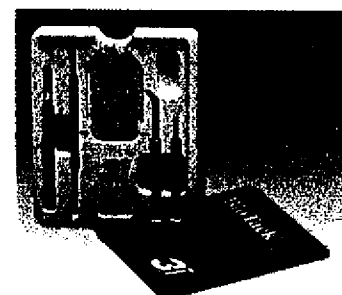
## 3i ADVANTAGE SYSTEM™ Balance without Compromise

With a 98.6% clinical success rate, the 3i Advantage System™ is a Single-Stage treatment concept with OSSEOTITE Implants and the Prep-Tite™ Abutment Series as the foundation. Used together, these products deliver restorations that are natural, conventional, predictable and more efficient relative to competitive systems.



## BIOTACK® Bioabsorbable Membrane Fixation System

BioTack is designed to stabilize the membrane, eliminating membrane micromovement for maximized Guided Bone Regeneration (GBR) procedures. BioTack is made from the same copolymer used in many resorbable sutures and other medical devices with a long history of proven biocompatibility. BioTack is uniquely designed and can be used with bioabsorbable and non-absorbable membranes.



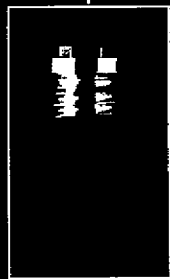
## BIOGRAN® Resorbable Synthetic Bone Graft

Biogran is used to repair bony defects including: periodontal defects, extraction sites, and ridge augmentation. These bioactive glass granules are precisely sized to eliminate inflammation and encourage the absorption process. Biogran optimizes space for new bone supply, eliminates the need for a second surgery, and completely transforms to natural bone.



*Biogran Syringe for  
direct delivery to site  
(Dappen Dish also available)*

# Implants





## Externally Hexed

MicroMiniplant (3.25/3.3mm)	2
OSSEOTITE XP 3/4 & Miniplant (3.25/3.3mm)	6
Standard Diameter (3.75mm)	10
Standard Diameter (4.0mm)	14
OSSEOTITE XP 4/5	18
Wide Diameter (5.0mm)	20
OSSEOTITE XP 5/6	24
Wide Diameter (6.0mm)	26

## Transgingival

TG OSSEOTITE Miniplant (3.25mm)	30
TG OSSEOTITE Standard (4.0mm)	32
TG OSSEOTITE Wide Diameter (5.0mm)	34

TRANSGINGIVAL	EXTERNALLY HEXED	EXTERNALLY HEXED	EXTERNALLY HEXED
TG OSSEOTITE™	Wide Diameter 5.0/6.0mm OSSEOTITE XP 5/6	OSSEOTITE XP & Miniplant	MicroMiniplant 3.25mm

# MICROMINIPLANT

## 3.25mm Threaded, 3.3mm Cylinder

### Implant Indications

---

#### Small Prosthetic Spaces

- Uses exclusive MicroMiniplant (3.4mm) prosthetic components
- 5.5mm minimum restorative space (when bone width is 4mm or less)

#### Recommended Placement:

Maxillary Lateral Incisors  
Mandibular Central Incisors  
Mandibular Lateral Incisors

### Clinical Benefits

---

#### 3.25mm OSSEOTITE and ICE Threaded Implants

- OSSEOTITE increases clot retention and is conducive to bone healing
- The exclusive ICE design features cutting threads which extend to the apical end of the implant for immediate engagement, efficient placement, and enhanced control
- The ICE design virtually eliminates tapping

#### 3.3mm Cylinder Implant

- For use where vertical surgical access is limited
- TPS increases implant surface area
- Simple, fast procedure



*Note: For Surgical Kit descriptions and ordering information,  
see Surgical Kits beginning on page 46.*

# MICROMINIPLANT





## 3.25mm Threaded, 3.3mm Cylinder

EXTERNALLY HEXED  
MicroMiniplant  
3.25mm

### Drilling Sequence - OSSEOTITE, ICE Threaded and Cylinder

 MULTIPLE-PATIENT-USE DRILLS  
 SINGLE-PATIENT-USE DRILLS

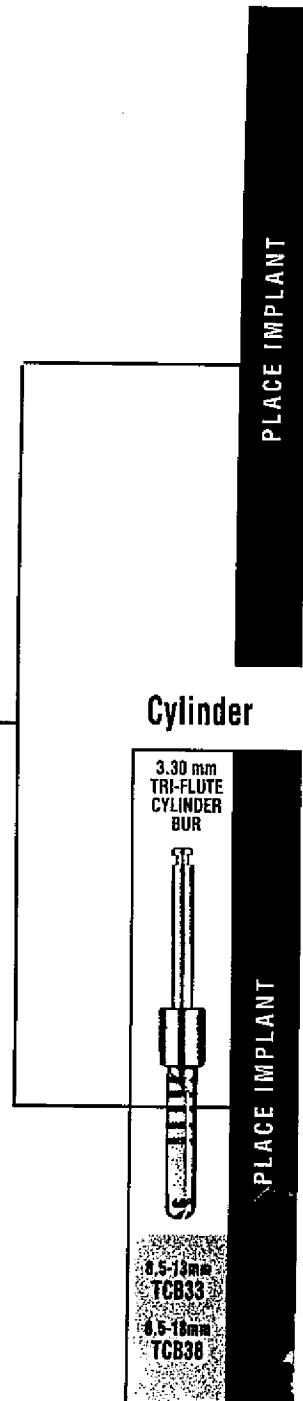
#### UniSystem Initial Drilling Sequence \*OSSEOTITE and ICE Threaded

ROUND DRILL	2.3mm TWIST DRILL	PILOT DRILL	3.00mm TWIST DRILL	
				
RD100 7-10mm RD105 7-15mm RD110 7-20mm	ITD210 7-10mm ITD215 7-15mm ITD220 7-20mm	PD100 2-3mm PD105 3-5mm	ITD310 7-10mm ITD315 7-15mm ITD320 7-20mm	PLACE IMPLANT

*\*Note: In soft bone, a 3.00mm drill may be substituted with a 2.75mm drill:*

ITD2710 7-10mm	DT2710 7-10mm
ITD2715 7-15mm	DT2715 7-15mm
ITD2720 7-20mm	DT2720 7-20mm

*\*Pre-tapping with MTAP1 or MTAP2 may be necessary in dense cortical bone.*



# MICROMINIPLANT

## 3.25mm Threaded

### IMPLANTS

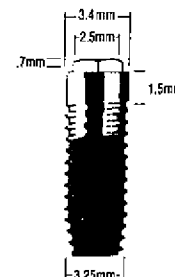
#### OSSEOTITE IMPLANTS

##### Description:

Implant Diameter: 3.25mm  
Seating Surface: 3.4mm  
External Hex Dimension: 2.5mm x .7mm  
Surface: OSSEOTITE  
Packaged with cover screw

##### Clinical Benefits:

- OSSEOTITE increases clot retention and is conducive to bone healing
- Hybrid design with integral, non-detachable surface reduces complications
- Increased attachment strength in bone
- ICE Super Self-Tapping feature



8.5mm	10mm	11.5mm	13mm	15mm	18mm
OSM385	OSM310	OSM311	OSM313	OSM315	OSM318

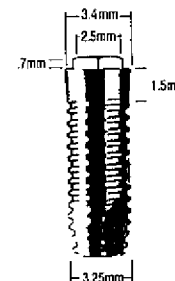
#### ICE SUPER SELF-TAPPING IMPLANTS

##### Description:

Implant Diameter: 3.25mm  
Seating Surface: 3.4mm  
External Hex Dimension: 2.5mm x .7mm  
Surface: Machined  
Packaged with cover screw

##### Clinical Benefits:

- Better control during placement
- Greater initial placement stability
- Virtually eliminates the need for pre-tapping



8.5mm	10mm	11.5mm	13mm	15mm	18mm
MM385	MM310	MM311	MM313	MM315	MM318

# MICROMINIPLANT

## 3.3mm Cylinder

EXTERNALLY HEXED  
MicroMiniplant  
3.25mm

## IMPLANTS

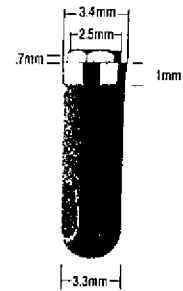
### CYLINDER IMPLANTS (3.3mm)

#### Description:

- Implant Diameter: 3.3mm
- Seating Surface: 3.4mm
- External Hex Dimension: 2.5mm x .7mm
- Surface: TPS coating
- Packaged with placement head and cover screw

#### Clinical Benefits:

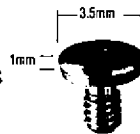
- For use where surgical access is limited
- TPS increases implant surface area
- Simple, fast procedure



## MICROMINIPLANT COVER SCREW

### IMPLANT COVER SCREW

- Included with all implants
- Patented friction fit hex driver allows carrying to the mouth



MMCS1

### HEADLESS COVER SCREW

- Reduced height
- For use when space limitations dictate
- Flared top prevents over-seating



CS275

**Note:** See page 38 for MicroMiniplant Healing Abutment options

See 3/ Small Diameter Prosthetics Manual & Restorative Catalog for restorative options and components

# OSSEOTITE XP 3/4 & MINIPLANT

## 3.25mm Threaded, 3.3mm Cylinder

### IMPLANT INDICATIONS

---

#### **Narrow Ridges** (5.0mm minimum crest width)

- Provides buccal-lingual bone support of implant with the use of Standard Diameter (4.1mm) prosthetic components
- 7.0mm minimum restorative space (when bone width is 5mm or less)

#### **Recommended Placement:**

Maxillary Lateral Incisors

Mandibular Premolars

Maxillary Canines

Extraction Sites

Maxillary Premolars

### CLINICAL BENEFITS

---

#### **3.25mm OSSEOTITE XP 3/4 and MINIPLANT ICE Threaded Implants**

- OSSEOTITE increases clot retention and is conducive to bone healing
- The exclusive ICE design features cutting threads which extend to the apical end of the implant for immediate engagement, efficient placement, and enhanced control
- The ICE design virtually eliminates tapping

#### **3.3mm Cylinder Implant**

- For use where vertical surgical access is limited
- TPS increases implant surface area
- Simple, fast procedure

**Note:** For surgical kit descriptions and ordering information, see *Surgical Kits* beginning on page 46.

# OSSEOTITE XP 3/4 & MINIPLANT

## 3.25mm Threaded, 3.3mm Cylinder

### DRILLING SEQUENCE - OSSEOTITE XP 3/4, ICE THREADED AND CYLINDER

EXTERNALLY HEXED  
OSSEOTITE XP  
& Miniplant  
2.5mm

	MULTIPLE-PATIENT-USE DRILLS
	SINGLE-PATIENT-USE DRILLS

OSSEOTITE XP 3/4 and ICE Threaded\*

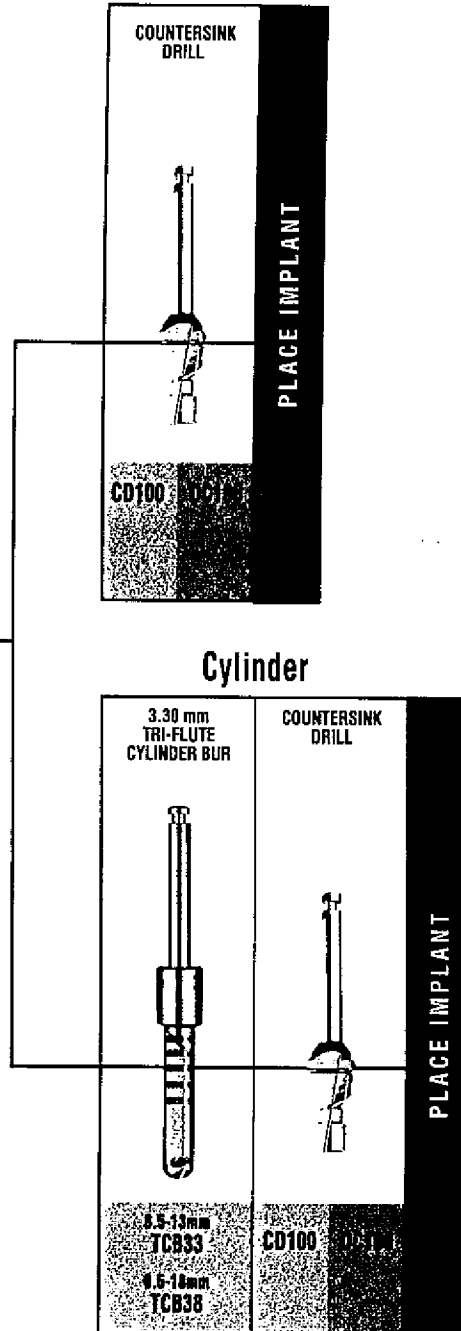
#### UniSystem Initial Drilling Sequence

ROUND DRILL	2.3mm TWIST DRILL	PILOT DRILL	3.00mm TWIST DRILL
RD100	7-10mm ITD210 7-15mm ITD215 7-20mm ITD220	2.3mm PD100	7-10mm ITD310 7-15mm ITD315 7-20mm ITD320

\*Note: In soft bone, a 3.00mm drill may be substituted for the 2.75mm drill:

7-10mm ITD2710	7-10mm ITD2710
7-15mm ITD2715	7-15mm ITD2715
7-20mm ITD2720	7-20mm ITD2720

\*Pre-tapping with MTAP1 or MTAP2 may be necessary in dense cortical one.



# OSSEOTITE XP 3/4 & MINIPLANT

## 3.25mm Threaded

### IMPLANTS

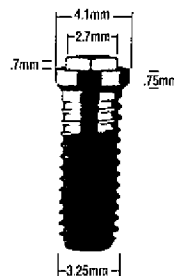
#### OSSEOTITE XP 3/4 IMPLANTS

**Description:**

Implant Diameter: 3.25mm  
Seating Surface: 4.1mm  
External Hex Dimension: 2.7mm x .7mm  
Surface: OSSEOTITE  
No-Touch pre-mounted packaging (including cover screw)

**Clinical Benefits:**

- OSSEOTITE increases clot retention and is conducive to bone healing
- Hybrid design with integral, non-detachable surface reduces complications
- Increased attachment strength in bone
- ICE Super Self-Tapping feature



8.5mm	10mm	11.5mm	13mm	15mm	18mm
OS3285	OS3210	OS3211	OS3213	OS3215	OS3218

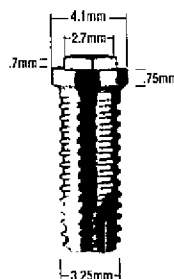
#### MINIPLANT ICE SUPER SELF-TAPPING IMPLANTS

**Description:**

Implant Diameter: 3.25mm  
Seating Surface: 4.1mm  
External Hex Dimension: 2.7mm x .7mm  
Surface: Machined  
No-Touch pre-mounted packaging (including cover screw)

**Clinical Benefits:**

- Better control during placement
- Greater initial placement stability
- Virtually eliminates the need for pre-tapping



8.5mm	10mm	11.5mm	13mm	15mm
MH385	MH310	MH311	MH313	MH315



# MINIPLANT 3.3mm Cylinder

## IMPLANTS

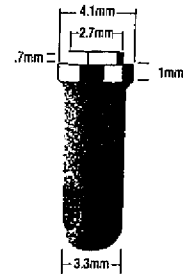
### CYLINDER IMPLANTS (3.3mm)

#### Description:

- Implant Diameter: 3.3mm
- Seating Surface: 4.1mm
- External Hex Dimension: 2.7mm x .7mm
- Surface: TPS coating
- Packaged with placement head and cover screw

#### Clinical Benefits:

- For use where surgical access is limited
- TPS increases implant surface area
- Simple, fast procedure



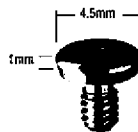
8.5mm TH385      10mm TH310      13mm TH313      15mm TH315

EXTERNALLY HEXED  
OSSEOTITE XP  
& Miniplant  
3.3mm

## MINIPLANT COVER SCREWS

### IMPLANT COVER SCREW

- Included with all implants
- Patented friction fit hex driver allows carrying to the mouth



CS375

### HEADLESS COVER SCREW

- Reduced height
- For use when space limitations dictate
- Flared top prevents over-seating



CS275

**Note:** See page 39 for Miniplant Healing Abutment options

See 3i Small Diameter Prosthetics Manual & Restorative Catalog for restorative options and components

# STANDARD DIAMETER

## 3.75mm Threaded

### IMPLANT INDICATIONS

---

#### **Implants that Fit the Width of the Alveolar Crest** (5.0mm minimum crest width)

- Uses Standard Diameter (4.1mm) prosthetic components
- 7.0mm minimum restorative space

#### **Recommended Placement:**

Maxillary Lateral Incisors  
Maxillary Canines  
Maxillary Premolars

Mandibular Canines  
Mandibular Premolars  
Extraction Sites

### CLINICAL BENEFITS

---

#### **3.75mm OSSEOTITE and ICE Super Self-Tapping**

- OSSEOTITE increases clot retention and is conducive to bone healing
- The exclusive ICE design features cutting threads which extend to the apical end of the implant for immediate engagement, efficient placement, and enhanced control
- The ICE design virtually eliminates tapping

#### **3.75mm ST Self-Tapping**

- May eliminate tapping in soft (Type 3 and 4) bone

***Note: For surgical kit descriptions and ordering information, see Surgical Kits beginning on page 46.***

# STANDARD DIAMETER

## 3.75mm Threaded

### DRILLING SEQUENCE - OSSEOTITE, ICE and ST THREADED

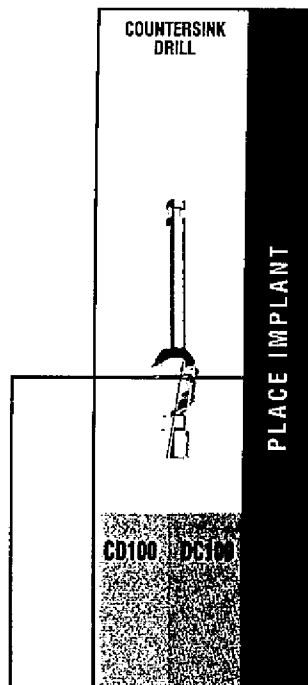
	MULTIPLE-PATIENT-USE DRILLS
	SINGLE-PATIENT-USE DRILLS

#### OSSEOTITE and ICE Threaded\*

EXTERNALLY HEXED  
Standard  
3.75mm

#### UniSystem Initial Drilling Sequence

ROUND DRILL	2.3mm TWIST DRILL	PILOT DRILL	3.00mm TWIST DRILL
RD100	7-10mm ITD210 DT210 7-15mm ITD215 DT215 7-20mm ITD220 DT220	2-3mm PD100 DP100	7-10mm ITD310 DT310 7-15mm ITD315 DT315 7-20mm ITD320 DT320



#### ST Self-Tapping

COUNTERSINK DRILL	3.75mm OPTIONAL TAP
CD100 DC100	7-10mm TAP10 7-13mm TAP13 7-20mm TAP20

PLACE IMPLANT

\*Pre-tapping with TAP10, TAP13,  
or TAP20 may be necessary.

# STANDARD DIAMETER

## 3.75mm Threaded

### IMPLANTS

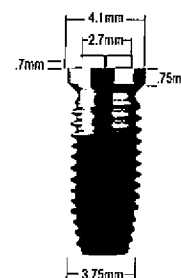
#### OSSEOTITE IMPLANTS

##### Description:

- Implant Diameter: 3.75mm
- Seating Surface: 4.1mm
- External Hex Dimension: 2.7mm x .7mm
- Surface: OSSEOTITE
- No-Touch pre-mounted packaging (including cover screw)

##### Clinical Benefits:

- OSSEOTITE increases clot retention and is conducive to bone healing
- Hybrid design with integral, non-detachable surface reduces complications
- Increased attachment strength in bone
- ICE Super Self-Tapping feature



8.5mm	10mm	11.5mm	13mm	15mm	18mm	20mm
OSS385	OSS310	OSS311	OSS313	OSS315	OSS318	OSS320

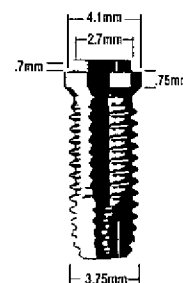
#### ICE SUPER SELF-TAPPING IMPLANTS

##### Description:

- Implant Diameter: 3.75mm
- Seating Surface: 4.1mm
- External Hex Dimension: 2.7mm x .7mm
- Surface: Machined
- No-Touch pre-mounted packaging (including cover screw)

##### Clinical Benefits:

- Better control during placement
- Greater initial placement stability
- Virtually eliminates the need for pre-tapping



8.5mm	10mm	11.5mm	13mm	15mm	18mm	20mm
ICE385	ICE310	ICE311	ICE313	ICE315	ICE318	ICE320

# STANDARD DIAMETER 3.75mm Threaded

## IMPLANTS

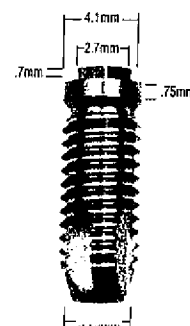
### ST SELF-TAPPING THREADED IMPLANTS

#### Description:

- Implant Diameter: 3.75mm
- Seating Surface: 4.1mm
- External Hex Dimension: 2.7mm x .7mm
- Surface: Machined
- No-Touch pre-mounted packaging (including cover screw)

#### Clinical Benefits:

- May eliminate tapping in soft (Type 3 and 4) bone



EXTERNALLY HEXED

Standard  
3.75mm

8.5mm ST385	10mm ST310	11.5mm ST311	13mm ST313	15mm ST315	18mm ST318	20mm ST320
----------------	---------------	-----------------	---------------	---------------	---------------	---------------

*Note: The traditional Standard Diameter Implant (II) is available upon request*

## STANDARD DIAMETER COVER SCREWS

### IMPLANT COVER SCREW

- Included with all implants
- Patented friction fit hex driver allows carrying to the mouth



CS375

### HEADLESS COVER SCREW

- Reduced height
- For use when space limitations dictate
- Flared top prevents over seating



CS275

*Note: See page 39 for Standard Diameter Healing Abutment options*

See 3i Standard Diameter EP Prosthetics Manual & Restorative Catalog for restorative options and components

# STANDARD DIAMETER

## 4.0mm Threaded, 4.0mm Cylinder

### IMPLANT INDICATIONS

---

**Implants that Fit the Width of the Alveolar Crest** (5.0mm minimum crest width)

- Uses Standard Diameter (4.1mm) prosthetic components
- 7.0mm minimum restorative space

**Recommended Placement:**

Maxillary Lateral Incisors  
Maxillary Canines  
Maxillary Premolars  
Maxillary Molars

Mandibular Canines  
Mandibular Premolars  
Mandibular Molars  
Extraction Sites

### CLINICAL BENEFITS

---

**4.0mm OSSEOTITE and ICE Threaded Implants**

- OSSEOTITE increases clot retention and is conducive to bone healing
- The exclusive ICE design features cutting threads which extend to the apical end of the implant for immediate engagement, efficient placement, and enhanced control
- The ICE design virtually eliminates tapping

**4.0mm Cylinder Implant**

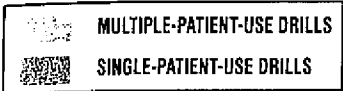
- For use where vertical surgical access is limited
- TPS increases implant surface area
- Simple, fast procedure

***Note: For surgical kit descriptions and ordering information, see Surgical Kits beginning on page 46.***

# STANDARD DIAMETER

## 4.0mm Threaded, 4.0mm Cylinder





### DRILLING SEQUENCE - OSSEOTITE, ICE, ST THREADED AND CYLINDER

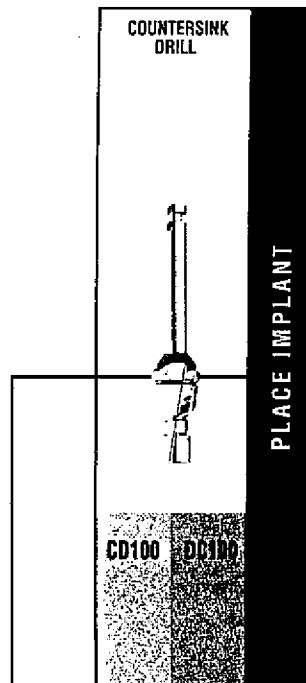


OSSEOTITE, ICE, ST Threaded\*




EXTERNALLY HEXED  
Standard  
4.0mm

#### UniSystem Initial Drilling Sequence

ROUND DRILL	2.3mm TWIST DRILL	PILOT DRILL	3.25mm TWIST DRILL
			
RD100 RD100	7-10mm ITD210 DT210 7-15mm ITD215 DT215 7-20mm ITD220 DT220	2.3mm PD100 DP100	7-10mm ITD3210 DT3210 7-15mm ITD3215 DT3215 7-20mm ITD3220 DT3220



#### Cylinder

3.30 mm TRI-FLUTE CYLINDER BUR	4.00mm TRI-FLUTE CYLINDER BUR	COUNTERSINK DRILL
		
8.5-13mm TCB33 8.5-18mm TCB38	7-13mm TCB43 7-18mm TCB48	CD100 DC100

#### \*Notes for soft bone:

The 3.25mm drill may be substituted  
with a 3.00mm drill:

ITD310 7-10mm	DT310 7-10mm
ITD315 7-15mm	DT315 7-15mm
ITD320 7-20mm	DT320 7-20mm

\*Pre-tapping with TAP410, TAP413,  
or TAP420 may be necessary.

# STANDARD DIAMETER 4.0mm Threaded

## IMPLANTS

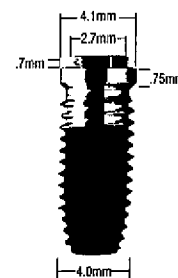
### OSSEOTITE IMPLANTS

#### Description:

Implant Diameter: 4.0mm  
Seating Surface: 4.1mm  
External Hex Dimension: 2.7mm x .7mm  
Surface: OSSEOTITE  
No-Touch pre-mounted packaging (including cover screw)

#### Clinical Benefits:

- OSSEOTITE increases clot retention and is conducive to bone healing
- Hybrid design with integral, non-detachable surface reduces complications
- Increased attachment strength in bone
- ICE Super Self-Tapping feature



8.5mm	10mm	11.5mm	13mm	15mm	18mm	20mm
OSS485	OSS410	OSS411	OSS413	OSS415	OSS418	OSS420

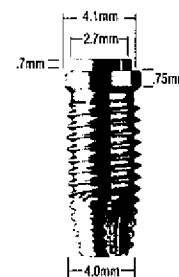
### ICE SUPER SELF-TAPPING IMPLANTS

#### Description:

Implant Diameter: 4.0mm  
Seating Surface: 4.1mm  
External Hex Dimension: 2.7mm x .7mm  
Surface: Machined  
No-Touch pre-mounted packaging (including cover screw)

#### Clinical Benefits:

- Better control during placement
- Greater initial placement stability
- Virtually eliminates the need for pre-tapping



8.5mm	10mm	11.5mm	13mm	15mm	18mm	20mm
ICE485	ICE410	ICE411	ICE413	ICE415	ICE418	ICE420

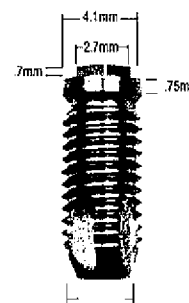
### ST SELF-TAPPING THREADED IMPLANTS

#### Description:

Implant Diameter: 4.0mm  
Seating Surface: 4.1mm  
External Hex Dimension: 2.7mm x .7mm  
Surface: Machined  
No-Touch pre-mounted packaging (including cover screw)

#### Clinical Benefits:

- May eliminate tapping in soft (Type 3 and 4) bone



8.5mm	10mm	11.5mm	13mm	15mm	18mm	20mm
ST485	ST410	ST411	ST413	ST415	ST418	ST420

**Note:** The traditional Standard Diameter Implant (II) is available upon request

4.0mm threaded implants have 8% more surface area and 26% greater wall thickness when compared to 3.75mm threaded implants.



# STANDARD DIAMETER

## 4.0mm Cylinder

### IMPLANTS

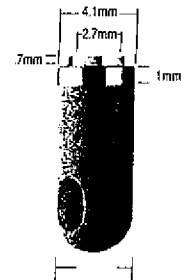
#### CYLINDER IMPLANTS (4.0mm)

##### Description:

- Implant Diameter: 4.0mm
- Seating Surface: 4.1mm
- External Hex Dimension: 2.7mm x .7mm
- Surface: TPS coating
- Packaged with placement head and cover screw

##### Clinical Benefits:

- For use where vertical surgical access is limited
- TPS increases implant surface area
- Simple, fast procedure



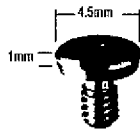
EXTERNALLY HEXED  
Standard  
4.0mm

7mm	8.5mm	10mm	13mm	15mm	18mm
TP407	TP485	TP410	TP413	TP415	TP418

### STANDARD DIAMETER COVER SCREWS

#### IMPLANT COVER SCREW

- Included with all implants
- Patented friction fit hex driver allows carrying to the mouth



CS375

#### HEADLESS COVER SCREW

- Reduced height
- For use when space limitations dictate
- Flared top prevents over-seating



CS275

**Note:** See page 39 for Standard Diameter Healing Abutment options

See 3i Standard Diameter EP Prosthetics Manual & Restorative Catalog for restorative options and components

# OSSEOTITE XP 4/5

## 4.0mm Threaded Body, 5.0mm Expanded Platform

### IMPLANT INDICATIONS

**Implants that Fit the Width of the Alveolar Crest** (5.0mm minimum crest width)

- Uses Wide Diameter (5.0mm) prosthetic components
- 7.5mm minimum restorative space

**Recommended Placement:**

Maxillary Central Incisors  
Maxillary Canines  
Maxillary Molars

Mandibular Canines  
Mandibular Molars  
Extraction Sites

### OSSEOTITE XP 4/5 IMPLANTS

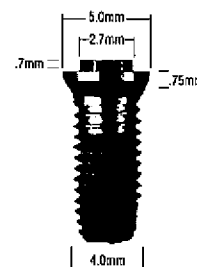
**Description:**

Implant Diameter: 4.0mm  
Seating Surface: 5.0mm  
External Hex Dimension: 2.7mm x .7mm  
Surface: OSSEOTITE  
No-Touch pre-mounted packaging (including cover screw)

**Clinical Benefits:**

- Expanded platform maximizes prosthetic space, while narrow apical end accommodates limited surgical space
- OSSEOTITE increases clot retention and is conducive to bone healing
- Hybrid design with integral, non-detachable surface reduces complications
- Increased attachment strength in bone
- The exclusive ICE design features cutting threads which extend to the apical end of the implant for immediate engagement, efficient placement, and enhanced control
- The ICE design virtually eliminates tapping

***Uses Wide Diameter 5.0mm Cover Screws, (see pg 23)  
and Wide Diameter 5.0mm Healing Abutments, (see pg 40).***



8.5mm	10mm	11.5mm	13mm	15mm
OS4585	OS4510	OS4511	OS4513	OS4515

***Note: For surgical kit descriptions and ordering information, see Surgical Kits beginning on page 46.***

# OSSEOTITE XP 4/5

## 4.0mm Threaded Body, 5.0mm Expanded Platform






### DRILLING SEQUENCE - OSSEOTITE XP 4/5

	MULTIPLE-PATIENT-USE DRILLS
	SINGLE-PATIENT-USE DRILLS

EXTERNALLY HEXED  
OSSEOTITE XP 4/5

#### UniSystem Initial Drilling Sequence

#### \*OSSEOTITE XP 4/5

ROUND DRILL	2.3mm TWIST DRILL	PILOT DRILL	3.25mm TWIST DRILL	4/5 COUNTERSINK DRILL	PLACE IMPLANT
					
RD100 7-10mm RD105 7-15mm RD110 7-20mm	ITD210 7-10mm ITD215 7-15mm ITD220 7-20mm	PD100 2-3mm PD105 3-5mm	ITD3210 7-10mm ITD3215 7-15mm ITD3220 7-20mm	CD4500	

#### \*Notes for soft bone:

The 3.25mm drill may be substituted  
with a 3.00mm drill:

ITD310 7-10mm	DT310 7-10mm
ITD315 7-15mm	DT315 7-15mm
ITD320 7-20mm	DT320 7-20mm

\*Pre-tapping with TAP410, TAP413,  
or TAP420 may be necessary.

# WIDE DIAMETER

## 5.0mm Threaded, 5.0mm Cylinder

### IMPLANT INDICATIONS

---

#### **Areas of Poor Bone Quality, Limited Bone Height, and High Occlusal Stress**

(5.0mm minimum crest width)

- Uses Wide Diameter (5.0mm) prosthetic components
- 7.5mm minimum restorative space

#### **Recommended Placement:**

Maxillary Central Incisors  
Maxillary Canines  
Maxillary Molars

Mandibular Canines  
Mandibular Molars  
Extraction Sites

### CLINICAL BENEFITS

---

#### **5.0mm OSSEOTITE and ICE Threaded Implants**

- OSSEOTITE increases clot retention and is conducive to bone healing
- The exclusive ICE design features cutting threads which extend to the apical end of the implant for immediate engagement, efficient placement, and enhanced control
- The ICE design virtually eliminates tapping

#### **5.0mm Cylinder Implant**



- For use where vertical surgical access is limited
- TPS increases implant surface area
- Simple, fast procedure

***Note: For surgical kit descriptions and ordering information, see Surgical Kits beginning on page 46.***



# WIDE DIAMETER

## 5.0mm Threaded, 5.0mm Cylinder

### DRILLING SEQUENCE - OSSEOTITE, ICE THREADED AND CYLINDER

	MULTIPLE-PATIENT-USE DRILLS
	SINGLE-PATIENT-USE DRILLS





#### \*OSSEOTITE and ICE Threaded

5.00mm PILOT COUNTERSINK DRILL	4.25mm TWIST DRILL
	
5mm CD500	7-8.5mm ITD428 7-13mm ITD423 7-18mm ITD4218





PLACE IMPLANT

EXTERNALLY HEXED  
Wide Diameter  
5.0mm

#### UniSystem Initial Drilling Sequence

ROUND DRILL	2.3mm TWIST DRILL	PILOT DRILL	3.00mm TWIST DRILL
			
RD100	7-13mm ITD216 7-15mm ITD215 7-20mm ITD228	2-3mm PD100	7-16mm ITD310 7-18mm ITD315 7-20mm ITD320

#### Cylinder

3.30 mm TRI-FLUTE CYLINDER BUR	4.00mm TRI-FLUTE CYLINDER BUR	5.00mm PILOT DRILL	5.00mm TRI-FLUTE CYLINDER BUR
			
6.5-12mm TCB33 8.5-18mm TCB38	7-13mm TCB43 7-18mm TCB48	5mm PD580	7-8.5mm TCB53 7-13mm TCB53

PLACE IMPLANT

\*Note: Pre-tapping with TAP58S, TAP53S, or TAP518S may be necessary in dense cortical bone.

# WIDE DIAMETER

## 5.0mm Threaded

### IMPLANTS

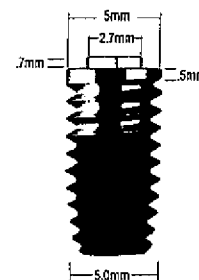
#### OSSEOTITE IMPLANTS

##### Description:

Implant Diameter: 5.0mm  
 Seating Surface: 5.0mm  
 External Hex Dimension: 2.7mm x .7mm  
 Surface: OSSEOTITE  
 No-Touch pre-mounted packaging (including cover screw)

##### Clinical Benefits:

- OSSEOTITE increases clot retention and is conducive to bone healing
- Hybrid design with integral, non-detachable surface reduces complications
- Increased attachment strength in bone
- ICE® Super Self-Tapping feature



7mm	8.5mm	10mm	11.5mm	13mm	15mm	18mm
OSS507	OSS585	OSS510	OSS511	OSS513	OSS515	OSS518

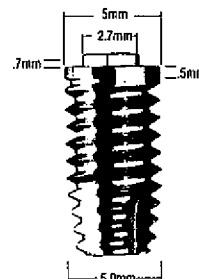
#### ICE SUPER SELF-TAPPING IMPLANTS

##### Description:

Implant Diameter: 5.0mm  
 Seating Surface: 5.0mm  
 External Hex Dimension: 2.7mm x .7mm  
 Surface: Machined  
 No-Touch pre-mounted packaging (including cover screw)

##### Clinical Benefits:

- Better control during placement
- Greater initial placement stability
- Virtually eliminates the need for pre-tapping



7mm	8.5mm	10mm	11.5mm	13mm	15mm	18mm
ICE507	ICE585	ICE510	ICE511	ICE513	ICE515	ICE518

# WIDE DIAMETER 5.0mm Cylinder

## IMPLANTS

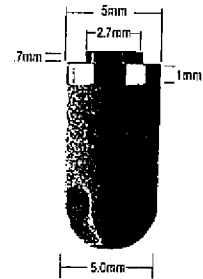
### CYLINDER IMPLANTS

#### Description:

Implant Diameter: 5.0mm  
Seating Surface: 5.0mm  
External Hex Dimension: 2.7mm x .7mm  
Surface: TPS coating  
Packaged with placement head and cover screw

#### Clinical Benefits:

- For use where vertical surgical access is limited
- TPS increases implant surface area
- Simple, fast procedure



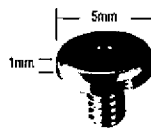
EXTERNALLY HEXED  
Wide Diameter  
5.0mm

7mm TP507	8.5mm TP585	10mm TP510	13mm TP513
--------------	----------------	---------------	---------------

## WIDE DIAMETER COVER SCREW

### IMPLANT COVER SCREW

- Included with all implants
- Patented friction fit hex driver allows carrying to the mouth



CS500

### HEADLESS COVER SCREW

- Reduced height
- For use when space limitations dictate
- Flared top prevents over-seating



CS275

**Note:** See page 40 for Wide Diameter (5.0mm) Healing Abutment options

See 3i Wide Diameter Prosthetics Manual & Restorative Catalog for restorative options and components

# OSSEOTITE XP 5/6

## 5.0mm Threaded Body, 6.0mm Expanded Platform

### IMPLANT INDICATIONS

#### Areas of Poor Bone Quality, Limited Bone Height, and High Occlusal Stress

- Uses Wide Diameter (6.0mm) prosthetic components
- 8.5mm minimum restorative space

#### Recommended Placement:

Maxillary Central Incisors  
Maxillary Molars

Mandibular Molars  
Extraction Sites

### OSSEOTITE XP 5/6 IMPLANTS

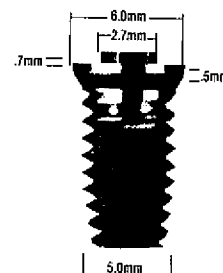
#### Description:

Implant Diameter: 5.0mm  
Seating Surface: 6.0mm  
External Hex Dimension: 2.7mm x .7mm  
Surface: OSSEOTITE  
No-Touch pre-mounted packaging (including cover screw)

#### Clinical Benefits:

- Expanded platform maximizes prosthetic space, while narrow apical end accommodates limited surgical space
- OSSEOTITE increases clot retention and is conducive to bone healing
- Hybrid design with integral, non-detachable surface reduces complications
- Increased attachment strength in bone
- The exclusive ICE design features cutting threads which extend to the apical end of the implant for immediate engagement, efficient placement, and enhanced control
- The ICE design virtually eliminates tapping

***Uses Wide Diameter 6.0mm Cover Screws, (see pg 29)  
and Wide Diameter 6.0mm Healing Abutments, (see pg 41)***



8.5mm  
OS5685

10mm  
OS5610

11.5mm  
OS5611

13mm  
OS5613

15mm  
OS5615



***Note: For surgical kit descriptions and ordering information, see Surgical Kits beginning on page 46.***







# OSSEOTITE XP 5/6

## 5.0mm Threaded Body, 6.0mm Expanded Platform




### DRILLING SEQUENCE - OSSEOTITE XP 5/6

	MULTIPLE-PATIENT-USE DRILLS
	SINGLE-PATIENT-USE DRILLS

#### UniSystem Initial Drilling Sequence

ROUND DRILL	2.3mm TWIST DRILL	PILOT DRILL	3.00mm TWIST DRILL
			
RD100	7.5mm ITD210 7.5mm ITD215 7.5mm ITD220	2.3mm PD100 2.3mm PD105	7.5mm ITD310 7.5mm ITD315 7.5mm ITD320

#### \*OSSEOTITE XP 5/6

5.00mm PILOT COUNTERSINK DRILL	4.25mm TWIST DRILL	5/6 COUNTERSINK DRILL
		
5mm CO500 5mm CO505	7.5mm ITD428 7.5mm ITD423 7.5mm ITD4218	CO5600

PLACE IMPLANT

EXTERNALLY HEXED  
OSSEOTITE XP 5/6

*\*Note: Pre-tapping with TAP58S, TAP53S, or TAP518S may be necessary in dense cortical bone.*

# **WIDE DIAMETER**

## **6.0mm Threaded, 6.0mm Cylinder**

### **IMPLANT INDICATIONS**

---

#### **Areas of Poor Bone Quality, Limited Bone Height, and High Occlusal Stress**

- Uses Wide Diameter (6.0mm) prosthetic components
- 8.5mm minimum restorative space

#### **Recommended Placement:**

Maxillary Central Incisors  
Maxillary Molars

Mandibular Molars  
Extraction Sites

### **CLINICAL BENEFITS**

---

#### **6.0mm OSSEOTITE and ICE Threaded Implant**

- OSSEOTITE increases clot retention and is conducive to bone healing
- The exclusive ICE design features cutting threads which extend to the apical end of the implant for immediate engagement, efficient placement, and enhanced control
- The ICE design virtually eliminates tapping

#### **6.0mm Cylinder Implant**

- For use where vertical surgical access is limited
- TPS increases implant surface area
- Simple, fast procedure

***Note: For surgical kit descriptions and ordering information, see Surgical Kits beginning on page 46.***

# WIDE DIAMETER 6.0mm Threaded, 6.0mm Cylinder





## DRILLING SEQUENCE - OSSEOTITE, ICE THREADED AND CYLINDER

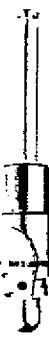



	MULTIPLE-PATIENT-USE DRILLS
	SINGLE-PATIENT-USE DRILLS

\*OSSEOTITE and ICE Threaded

EXTERNALLY HEXED  
Wide Diameter  
6.0mm







### UniSystem Initial Drilling Sequence

ROUND DRILL	2.3mm TWIST DRILL	PILOT DRILL	3.00mm TWIST DRILL
			
RD100	7.0mm ITD210 7.15mm ITD215 7.25mm ITD220	2.3mm PD100	7.0mm ITD310 7.15mm ITD315 7.25mm ITD320

5.00mm PILOT COUNTERSINK DRILL	4.25mm TWIST DRILL	6.00mm PILOT COUNTERSINK DRILL	5.25mm TWIST DRILL
			
5mm CD500 5mm DC500	7.0-7.5mm ITD420 7.15mm ITD425 7.30mm ITD430	6mm CD600 6mm DC600	7.0-7.5mm ITD520 7.15mm ITD525 7.30mm ITD530

PLACE IMPLANT

### Cylinder

3.30 mm TRI-FLUTE CYLINDER BUR	4.00mm TRI-FLUTE CYLINDER BUR	5.00mm PILOT DRILL	5.00mm TRI-FLUTE CYLINDER BUR	6.00mm PILOT DRILL	6.00mm TRI-FLUTE CYLINDER BUR
					
3.5-13mm TCB33 8.5-18mm TCB38	7.15mm TCB43 7.18mm TCB48	5mm PD500	7.0-7.5mm TCB50 7.15mm TCB53	6mm PD600	7.0-7.5mm TCB60 7.15mm TCB63

PLACE IMPLANT

\*Note: Pre-tapping with TAP68S, TAP63S, or TAP618S may be necessary in dense cortical bone.

# WIDE DIAMETER 6.0mm Threaded

## IMPLANTS

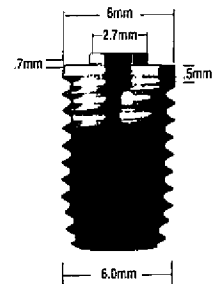
### OSSEOTITE IMPLANTS

#### Description:

Implant Diameter: 6.0mm  
Seating Surface: 6.0mm  
External Hex Dimension: 2.7mm x .7mm  
Surface: OSSEOTITE  
No-Touch pre-mounted packaging (including cover screw)

#### Clinical Benefits:

- OSSEOTITE increases clot retention and is conducive to bone healing
- Hybrid design with integral, non-detachable surface reduces complications
- Increased attachment strength in bone
- ICE Super Self-Tapping feature



7mm	8.5mm	10mm	11.5mm	13mm	15mm	18mm
OSS607	OSS685	OSS610	OSS611	OSS613	OSS615	OSS618

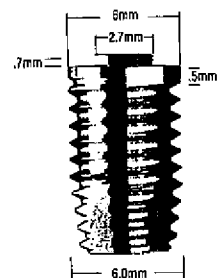
### ICE SUPER SELF-TAPPING IMPLANTS

#### Description:

Implant Diameter: 6.0mm  
Seating Surface: 6.0mm  
External Hex Dimension: 2.7mm x .7mm  
Surface: Machined  
No-Touch pre-mounted packaging (including cover screw)

#### Clinical Benefits:

- Better control during placement
- Greater initial placement stability
- Virtually eliminates the need for pre-tapping



7mm	8.5mm	10mm	11.5mm	13mm	15mm	18mm
ICE607	ICE685	ICE610	ICE611	ICE613	ICE615	ICE618

# WIDE DIAMETER 6.0mm Cylinder

## IMPLANTS

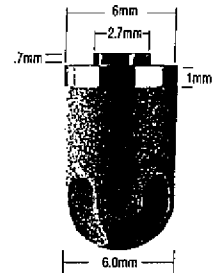
### CYLINDER IMPLANTS

#### Description:

- Implant Diameter: 6.0mm
- Seating Surface: 6.0mm
- External Hex Dimension: 2.7mm x .7mm
- Surface: TPS Coating
- Packaged with placement head and cover screw

#### Clinical Benefits:

- For use where vertical surgical access is limited
- TPS increases implant surface area
- Simple, fast procedure



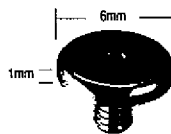
EXTERNALLY HEXED  
Wide Diameter  
6.0mm

7mm TP607	8.5mm TP685	10mm TP610	13mm TP613
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## WIDE DIAMETER COVER SCREW

### IMPLANT COVER SCREW

- Included with all implants
- Patented friction fit hex driver allows carrying to the mouth



CS600

### HEADLESS COVER SCREW

- Reduced height
- For use when space limitations dictate
- Flared top prevents over-seating



CS275

**Note:** See page 41 for Wide Diameter (6.0mm) Healing Abutment options.

See 3i Wide Diameter Prosthetics Manual & Restorative Catalog for restorative options and components

# TG OSSEOTITE MINIPLANT

## 3.25mm Threaded

### IMPLANT INDICATIONS

**Narrow Ridges** (5.0mm minimum crest width)

- 7.5mm minimum restorative space

**Recommended Placement:**

Maxillary Lateral Incisors

Maxillary Canines

Maxillary Premolars

Mandibular Premolars

### TG OSSEOTITE MINIPLANT

**Description:**

Implant Diameter: 3.25mm

Seating Surface: 4.8mm

8° Morse Taper abutment engagement

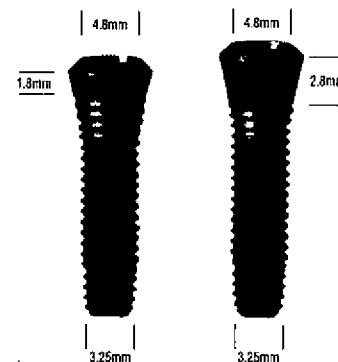
Surface: OSSEOTITE

No-Touch pre-mounted packaging (including cover screw)

Two transgingival collar heights (1.8mm and 2.8mm)

**Clinical Benefits:**

- Single stage surgical protocol
- Familiar crown and bridge restorations
- OSSEOTITE increases clot retention and is conducive to bone healing
- Hybrid design with integral, non-detachable surface reduces complications
- Unique stabilizing chamber increases fatigue strength and resistance to lateral load
- The exclusive ICE design features cutting threads which extend to the apical end of the implant for immediate engagement, efficient placement, and enhanced control
- The ICE design virtually eliminates tapping



8.5mm  
TG2385

10mm  
TG2310

11.5mm  
TG2311

13mm  
TG2313

15mm  
TG2315

8.5mm  
TG3385

10mm  
TG3310

11.5mm  
TG3311

13mm  
TG3313

15mm  
TG3315

### TG OSSEOTITE COVER SCREWS

0.5mm  
TGCS05

1mm  
TGCS10

2mm  
TGCS20

3mm  
TGCS30

4mm  
TGCS40



5mm  
TGCS50

**Note:** For surgical kit descriptions and ordering information, see *Surgical Kits* beginning on page 46.









# TG OSSEOTITE MINIPLANT

3.25mm Threaded

## DRILLING SEQUENCE - TG OSSEOTITE

	MULTIPLE-PATIENT-USE DRILLS
	SINGLE-PATIENT-USE DRILLS

### UniSystem Initial Drilling Sequence \*TG OSSEOTITE

ROUND DRILL	2.3mm TWIST DRILL	PILOT / SHAPING DRILL	3.00mm TWIST DRILL	PLACE IMPLANT
				
				
ITD13 1.0mm ITD210 1.0mm ITD215 1.0mm ITD220 1.0mm	ITD210 2.3mm ITD215 2.3mm ITD220 2.3mm	ITD210 2.3mm ITD215 2.3mm ITD220 2.3mm	ITD310 3.00mm ITD315 3.00mm ITD320 3.00mm	

TRANSINGIVAL  
TG OSSEOTITE™  
Miniplant

**\*Note in soft bone: a 3.00mm drill may be substituted with a 2.75mm drill:**

ITD2710 7-10mm	DI2710 7-10mm
ITD2715 7-15mm	DI2715 7-15mm
ITD2720 7-20mm	DI2720 7-20mm

**\*Pre-tapping with MTAP1 or MTAP2 may be necessary in dense cortical bone.**

# TG OSSEOTITE STANDARD

## 4.0mm Threaded

### IMPLANT INDICATIONS

Implants that Fit the Width of the Alveolar Crest (5.0mm minimum crest width)

- 7.5mm minimum restorative space

#### Recommended Placement:

Maxillary Lateral Incisors  
Maxillary Canines  
Maxillary Molars

Mandibular Canines  
Mandibular Premolars  
Mandibular Molars

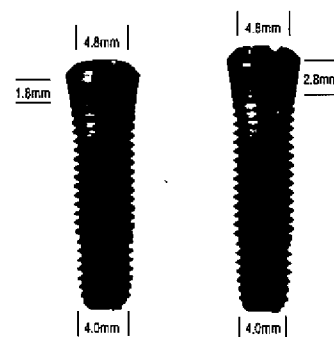
### TG OSSEOTITE STANDARD

#### Description:

Implant Diameter: 4.0mm  
Seating Surface: 4.8mm  
8° Morse Taper abutment engagement  
Surface: OSSEOTITE  
No-Touch pre-mounted packaging (including cover screw)  
Two transgingival collar heights (1.8mm and 2.8mm)

#### Clinical Benefits:

- Single stage surgical protocol
- Familiar crown and bridge restorations
- OSSEOTITE increases clot retention and is conducive to bone healing
- Hybrid design with integral, non-detachable surface reduces complications
- Unique stabilizing chamber increases fatigue strength and resistance to lateral load
- The exclusive ICE design features cutting threads which extend to the apical end of the implant for immediate engagement, efficient placement, and enhanced control
- The ICE design virtually eliminates tapping



8.5mm TG2485	10mm TG2410	11.5mm TG2411	13mm TG2413	15mm TG2415
8.5mm TG3485	10mm TG3410	11.5mm TG3411	13mm TG3413	15mm TG3415

### TG OSSEOTITE COVER SCREWS

0.5mm TGCS05	1mm TGCS10	2mm TGCS20	3mm TGCS30	4mm TGCS40	5mm TGCS50
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**Note:** For surgical kit descriptions and ordering information, see *Surgical Kits* beginning on page 46.







# TG OSSEOTITE STANDARD

4.0mm Threaded

## DRILLING SEQUENCE - TG OSSEOTITE

	MULTIPLE-PATIENT-USE DRILLS
	SINGLE-PATIENT-USE DRILLS

### UniSystem Initial Drilling Sequence \*TG OSSEOTITE

ROUND DRILL	2.3mm TWIST DRILL	PILOT / SHAPING DRILL	3.25mm TWIST DRILL	PLACE IMPLANT
				
RD100	ITD210 7-10mm ITD215 7-15mm ITD220 7-20mm	PSD100	ITD3210 7-10mm ITD3215 7-15mm ITD3220 7-20mm	

TRANSINGIVAL  
TG OSSEOTITE™  
Standard

#### \*Notes for soft bone:

The 3.25mm drill may be substituted  
with a 3.00mm drill:

ITD310 7-10mm	ITD310 7-10mm
ITD315 7-15mm	ITD315 7-15mm
ITD320 7-20mm	ITD320 7-20mm

\*Note: Pre-tapping with TAP410, TAP413, or TAP420 may be necessary in dense cortical bone.

# TG OSSEOTITE WIDE DIAMETER

## 5.0mm Threaded

### IMPLANT INDICATIONS

**Areas of Poor Bone Quality, Limited Bone Height, and High Occlusal Stress**  
(5.0mm minimum crest width)

- 7.5mm minimum restorative space

#### Recommended Placement:

Maxillary Central Incisors  
Maxillary Canines  
Maxillary Molars

Mandibular Canines  
Mandibular Molars  
Extraction Sites

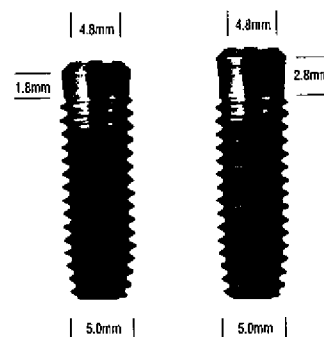
### TG OSSEOTITE WIDE DIAMETER

#### Description:

Implant Diameter: 5.0mm  
Seating Surface: 4.8mm  
8° MorseTaper abutment engagement  
Surface: OSSEOTITE  
No-Touch pre-mounted packaging (including cover screw)  
Two transgingival collar heights (1.8mm and 2.8mm)

#### Clinical Benefits:

- Single stage surgical protocol
- Familiar crown and bridge restorations
- OSSEOTITE increases clot retention and is conducive to bone healing
- Hybrid design with integral, non-detachable surface reduces complications
- Unique stabilizing chamber increases fatigue strength and resistance to lateral load
- The exclusive ICE design features cutting threads which extend to the apical end of the implant for immediate engagement, efficient placement, and enhanced control
- The ICE design virtually eliminates tapping



8.5mm TG2585	10mm TG2510	11.5mm TG2511	13mm TG2513	15mm TG2515
8.5mm TG3585	10mm TG3510	11.5mm TG3511	13mm TG3513	15mm TG3515

### TG OSSEOTITE COVER SCREWS

0.5mm TGCS05	1mm TGCS10	2mm TGCS20	3mm TGCS30	4mm TGCS40	5mm TGCS50
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**Note:** For surgical kit descriptions and ordering information, see *Surgical Kits* beginning on page 46.





# TG OSSEOTITE WIDE DIAMETER

## 5.0mm Threaded



### DRILLING SEQUENCE - TG OSSEOTITE

	MULTIPLE-PATIENT-USE DRILLS
	SINGLE-PATIENT-USE DRILLS

#### UniSystem Initial Drilling Sequence

ROUND DRILL	2.3mm TWIST DRILL	PILOT / SHAPING DRILL	3.25mm TWIST DRILL
			
RD180 7-16mm ITD210 7-35mm ITD215 7-20mm ITD220	PSD100 7-16mm ITD3210 7-35mm ITD3215 7-20mm ITD3220		

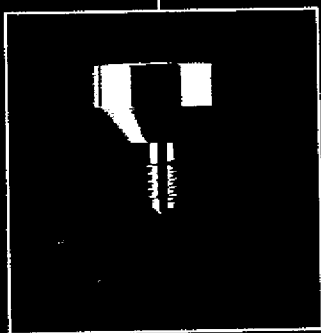
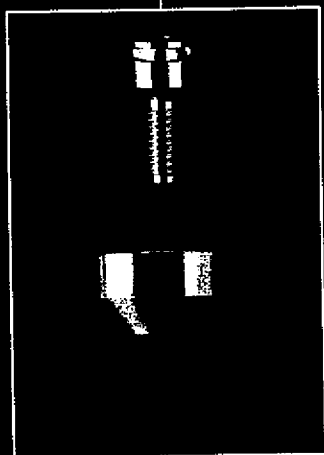
#### \*TG OSSEOTITE

5.00mm PILOT COUNTERSINK DRILL	4.25mm TWIST DRILL	PLACE IMPLANT
		
CD500 7-16mm ITD428 7-35mm ITD423 7-20mm ITD4210		

TRANSINGIVAL  
TG OSSEOTITE™  
Wide Diameter  
5.0mm

\*Note: Pre-tapping with TAP58S, TAP53S, or TAP518S may be necessary in dense cortical bone.

# EP<sup>®</sup> Healing Abutments



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<b>Small Diameter Healing Abutments For (3.25/3.3mm)</b>	<b>38</b>
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<b>Standard Diameter Healing Abutments For (3.75/4.0mm)</b>	<b>39</b>
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<b>Wide Diameter Healing Abutments For (5.0mm)</b>	<b>40</b>
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<b>Wide Diameter Healing Abutments For (6.0mm)</b>	<b>41</b>
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# HEALING ABUTMENTS

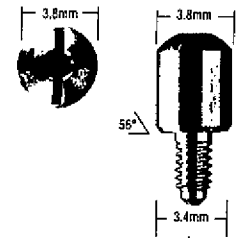
## For MicroMiniplant 3.25/3.3mm Implants

### EP HEALING ABUTMENTS

#### EP ONE-PIECE HEALING ABUTMENTS

For Stage II Surgery

- Maintain tissue opening for establishing proper Emergence Profile
- 3.8mm diameter (profile) allows for small prosthetic restorations
- Polished titanium surface for excellent tissue acceptance



2mm  
MHA32

4mm  
MHA34

6mm  
MHA36

**Note:** *3i Bone Profilers may be needed to contour bone to allow proper seating of abutment, see page 59.*

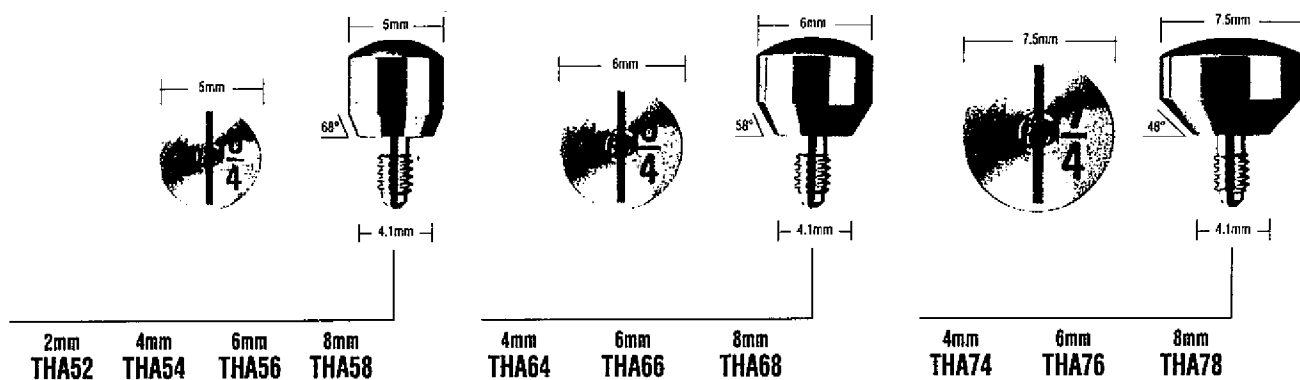
# HEALING ABUTMENTS For OSSEOTITE XP 3/4, Miniplant 3.25/3.3mm, Standard 3.75/4.0mm Implants

## EP HEALING ABUTMENTS

### EP ONE-PIECE HEALING ABUTMENTS

#### For Stage II Surgery

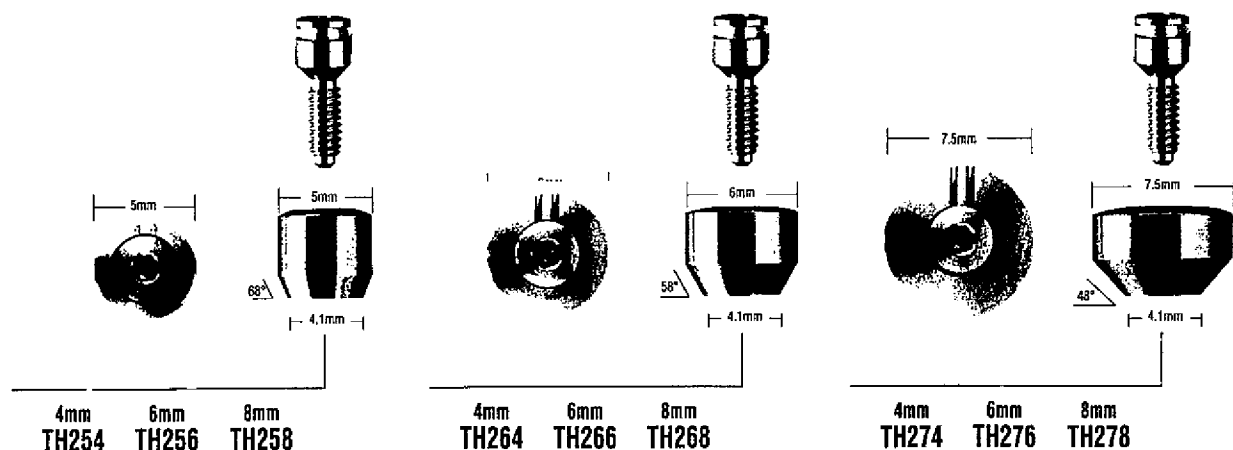
- The original components of the Emergence Profile (EP) System
- Allows guided soft tissue healing to provide more esthetic restorations
- Available in three anatomic dimensions
- Numbers on occlusal surface designate abutment height, seating diameter, and emergence profile
- Polished titanium surface for excellent tissue acceptance



### EP TWO-PIECE HEALING ABUTMENTS

#### For Single-Stage Surgery or Stage II Surgery

- Recommended for 3i Single-Stage, non-submerged protocol with conventional, two-stage 3i UniSystem™ Components
- Two-piece design engages hex for superior stability without loosening
- Allows guided soft tissue healing to provide more aesthetic restorations
- Available in three anatomic dimensions
- Occlusal identification marks designate abutment trans-tissue height
- O-ring on screw prevents fluid leakage into implant's internal threads
- Polished titanium surface for excellent tissue acceptance



# HEALING ABUTMENTS

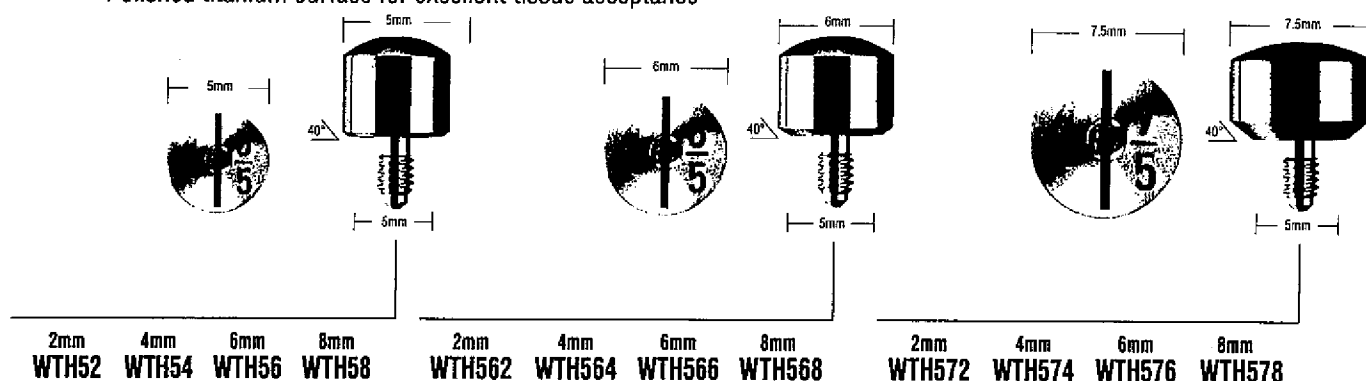
For Wide Diameter 5.0mm, OSSEOTITE XP 4/5 Implants

## EP HEALING ABUTMENTS

### EP ONE-PIECE HEALING ABUTMENTS

For Stage II Surgery

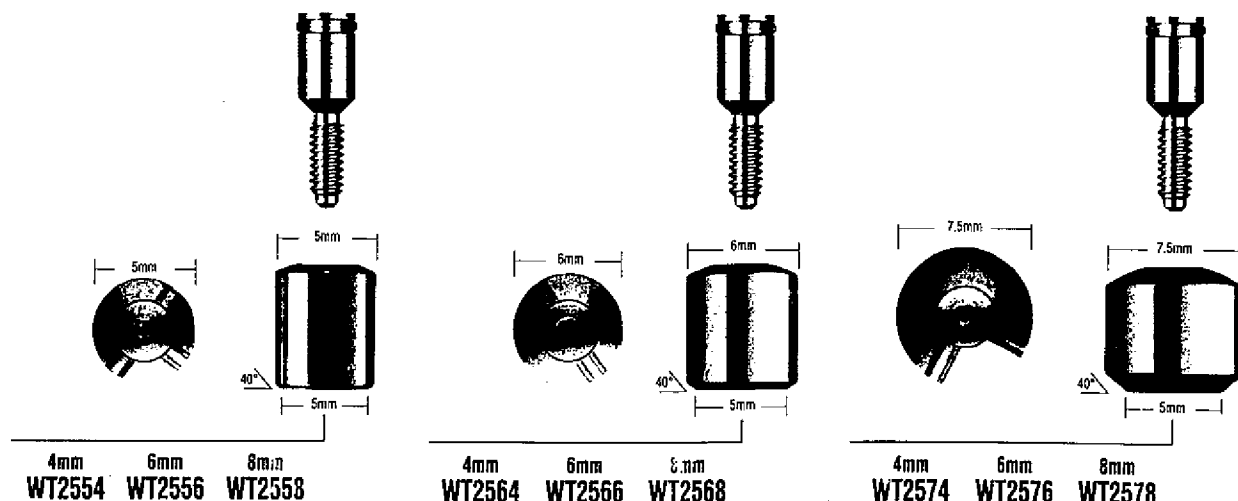
- The original components of the Emergence Profile (EP) System
- Allows guided soft tissue healing to provide more aesthetic restorations
- Available in three anatomic dimensions
- Numbers on occlusal surface designate abutment height, seating diameter, and emergence profile
- Polished titanium surface for excellent tissue acceptance



### EP TWO-PIECE HEALING ABUTMENTS

For Single-Stage Surgery or Stage II Surgery

- Recommended for 3i Single-Stage, non-submerged protocol with conventional-two-stage 3i UniSystem Components
- Two-piece design engages hex for superior stability without loosening
- Allows guided soft tissue healing to provide more aesthetic restorations
- Available in three anatomic dimensions
- Occlusal identification marks designate abutment trans-tissue height
- O-ring on screw prevents fluid leakage into implant's internal threads
- Polished titanium surface for excellent tissue acceptance





# HEALING ABUTMENTS

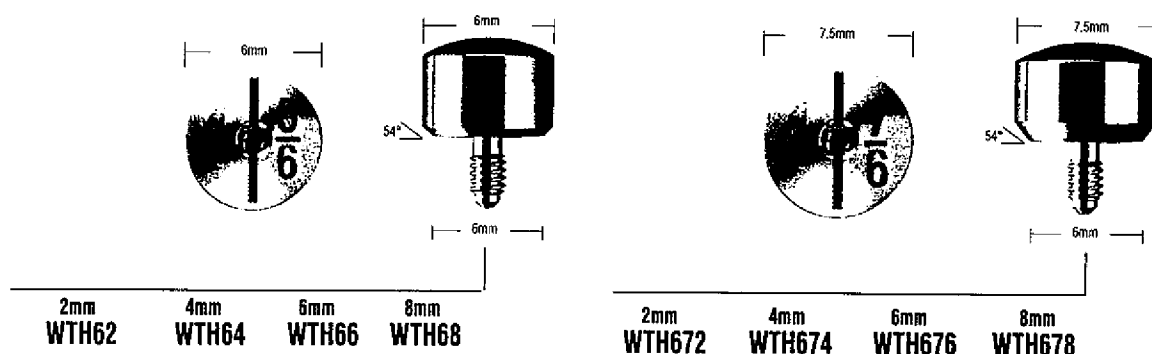
For Wide Diameter 6.0mm, OSSEOTITE XP 5/6 Implants

## EP HEALING ABUTMENTS

### EP ONE-PIECE HEALING ABUTMENTS

#### Stage II Surgery

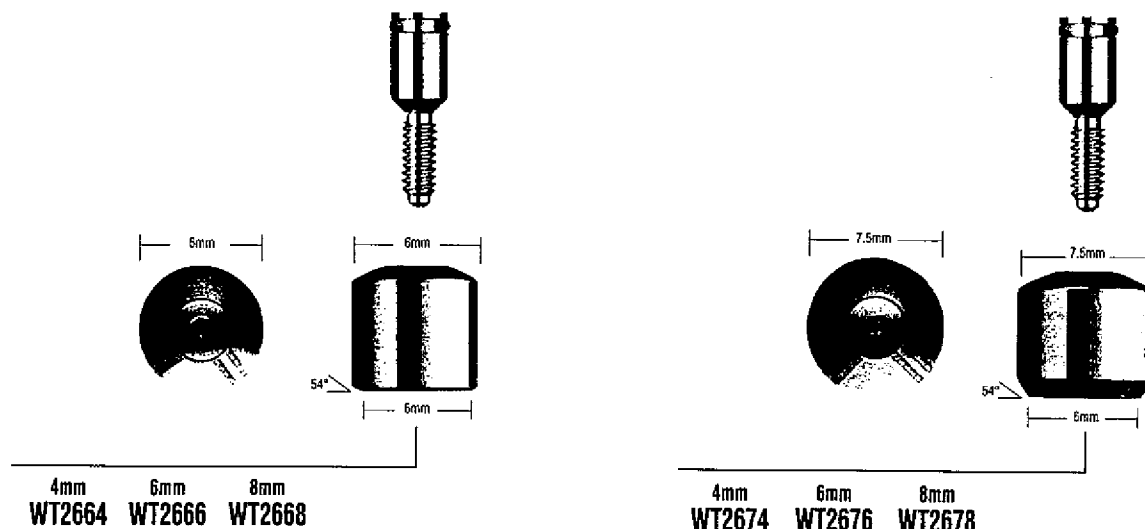
- The original components of the Emergence Profile (EP) System
- Allows guided soft tissue healing to provide more aesthetic restorations
- Available in three anatomic dimensions
- Numbers on occlusal surface designate abutment height, seating diameter, and emergence profile
- Polished titanium surface for excellent tissue acceptance



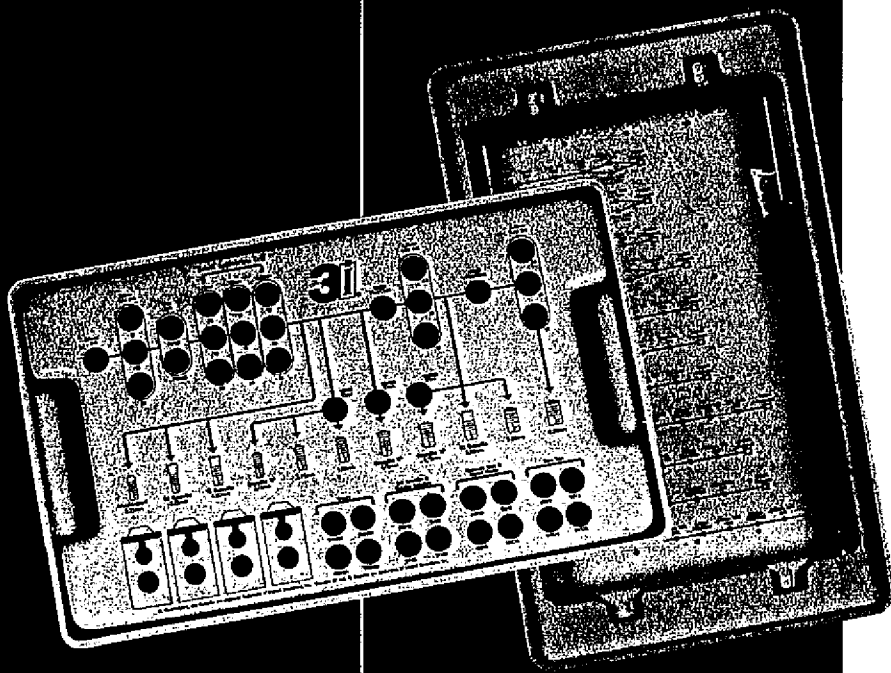
### EP TWO-PIECE HEALING ABUTMENTS

#### For Single-Stage Surgery or Stage II Surgery

- Recommended for *3i* Single-Stage, non-submerged protocol with conventional two-stage *3i* UniSystem Components
- Two-piece design engages hex for superior stability without loosening
- Allows guided soft tissue healing to provide more aesthetic restorations
- Available in three anatomic dimensions
- Occlusal identification marks designate abutment trans-tissue height
- O-ring on screw prevents fluid leakage into implant's internal threads
- Polished titanium surface for excellent tissue acceptance



# Surgical Products



<b>Drilling Unit</b>	<b>44</b>
<b>Depth Measurement System</b>	<b>45</b>
<b>Surgical Kits</b>	<b>46</b>
<b>Single-Patient-Use-Drill Kits</b>	<b>48</b>
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# DRILLING UNIT

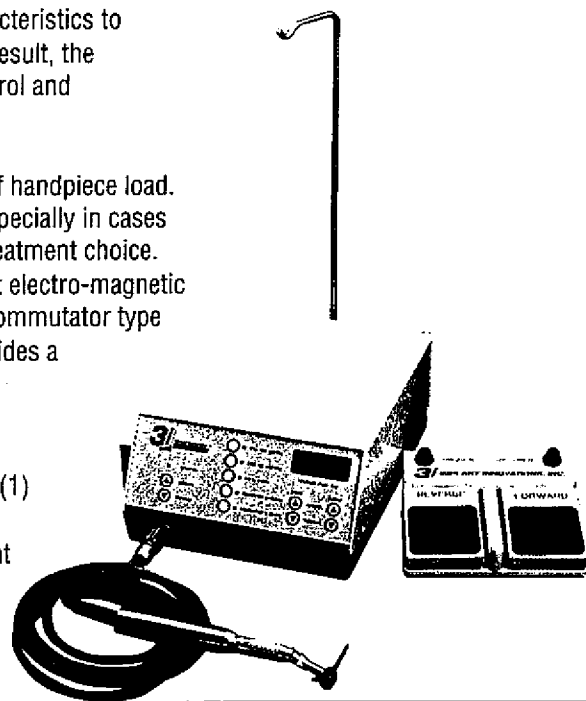
## THE DU300 SURGICAL DRILLING UNIT

### A RARE COMBINATION OF EFFICIENCY AND AFFORDABILITY

3i's state-of-the-art design delivers a wide range of operating characteristics to maximize clinical options and simplify operating procedures. As a result, the drilling unit optimizes implant placement by providing smooth control and time efficient enhancements.

The 3i DU300 is engineered to deliver constant torque regardless of handpiece load. This feature allows for smooth site creation and implant delivery especially in cases with dense cortical bone or when wide diameter implants are the treatment choice. Furthermore, the DU300's induction type motor provides a constant electro-magnetic field that produces reliable torque and speeds. Other systems are commutator type motors that use brushes for electrical conduction. This design provides a pulse effect and generates heat from friction that can limit the unit's effective life.

Most importantly, the DU300 makes surgery easier. The use of one (1) MicroMega handpiece and a completely autoclavable motor for all operation, eliminates the time consuming need to change equipment in mid-surgery. The "hands-free" operation by foot control allows the implant team uninterrupted coordination.



#### DU300

- One MicroMega handpiece (23.75:1) for all surgical protocols; speeds from 15-1,500 rpm
- Adjustable electronic torque control to meet various pre-load requirements (10 - 55Ncm)
- "Hands-free" operation to change direction, speed range, and irrigation
- Allows for adjustable internal and external irrigation options
- Quiet motor that runs at 300 rpm to 30,000 rpm
- Five easily adjustable speed ranges with LED display and continuous memory
- Constant torque delivery with automatic shut-off at torque limit (55 Ncm maximum)
- Engineered to meet UL and International requirements

# DEPTH MEASUREMENT SYSTEM

## DEPTH GAUGE AND DRILL MARKING SYSTEM

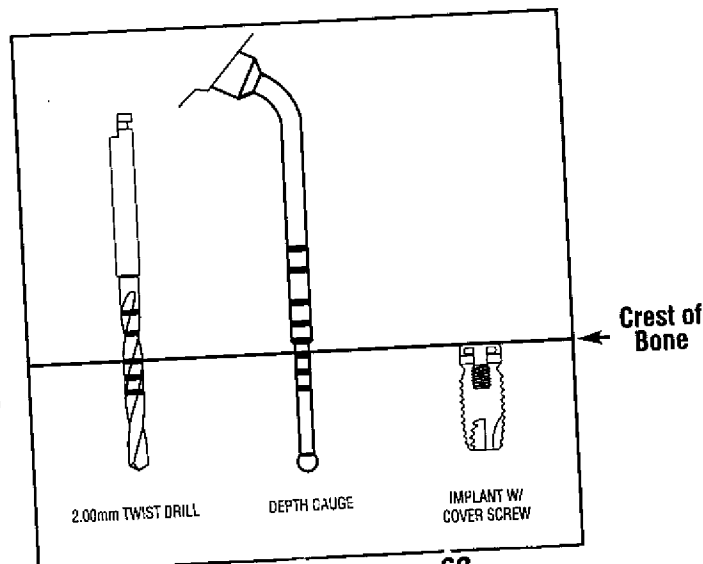
The depth measurement system provides a mark on the drill that corresponds to placement of the implant within an established, standardized procedure. 3i's original protocol follows the principles of protecting the implant from premature loading. These guidelines include countersinking the implant and cover screw to be flush with the crest of bone. (3i Surgical Manual)

Drill depth markings do not indicate implant lengths. Rather, the markings represent the length of the implant and cover screw. As a result, drill to the depth of the implant plus the cover screw to place an implant flush with the crest. For a-cresal placement, the drill mark should remain above the bone by the desired height. Please refer to the following chart for further information.

Implant Length (Label)	Actual Implant Length	Cover Screw Height	Actual Drill Length to Mark*
7.0mm	6.6mm	1.0mm	7.6mm
8.5mm	8.1mm	1.0mm	9.1mm
10.0mm	9.6mm	1.0mm	10.6mm
11.5mm	11.1mm	1.0mm	12.1mm
13.0mm	12.6mm	1.0mm	13.6mm
15.0mm	14.6mm	1.0mm	15.6mm
18.0mm	17.6mm	1.0mm	18.6mm
20.0mm	19.6mm	1.0mm	20.6mm

\* From point on drill at which maximum diameter starts. (Drill mark is .5mm wide)  
Drill length listed in chart does not include drill tip.

Tip Dimensions	
Drill Diameter	Drill Tip
2.00mm	.6mm
2.75mm	.9mm
3.00mm	.9mm
3.15mm	1.0mm
3.25mm	1.0mm
4.25mm	.4mm
5.25mm	.5mm



**Note:** A drill extension for areas of limited access is available, see page 62.

Surgical  
Products

# Surgical Kits

## Threaded

46

**PSKT10**  
Basic Surgical Kit

**PSKT20**  
Standard Surgical Kit

**PSKT30**  
Premium Surgical Kit

**TGKIT**  
TG OSSEOTITE Placement Kit

Drill

Drill

Drill

Drill

Drill

Drill

Drill

ill

## Cylinder

47

**SKT25**  
Basic Surgical Kit

**SKT23**  
Component Kit for 3.3, 4.0 & 4.25mm Cylinder Implants

**SKT24**  
Component Kit for 5.0 & 6.0mm Wide Diameter Cylinder Implants

i)  
m)

Drill

1/5

&lt; Drill

3/6

&lt; Drill

# SURGICAL KITS

## PSKT20

### Standard Threaded Surgical Kit

CODE	QTY.	DESCRIPTION	CODE	QTY.	DESCRIPTION
PTT300	(1)	Plastic UniSystem Surgical Tray	ITD2720	(1)	2.75 x 20.0mm Internally Irrigated Twist Drill
IC015	(1)	Long Implant Mount	ITD310	(1)	3.0 x 10.0mm Internally Irrigated Twist Drill
TGPRM	(1)	TG Positive Reversing Mount	ITD315	(1)	3.0 x 15.0mm Internally Irrigated Twist Drill
MMC15	(1)	MicroMiniplant Mount (15mm)	ITD320	(1)	3.0 x 20.0mm Internally Irrigated Twist Drill
RASH2N	(1)	Narrow Small Hex Driver Tip	ITD3210	(1)	3.25 x 10.0mm Internally Irrigated Twist Drill
RASH3N	(1)	Narrow Large Hex Driver Tip	ITD3215	(1)	3.25 x 15.0mm Internally Irrigated Twist Drill
TAP413	(1)	TAP 4.00 x 13mm	ITD3220	(1)	3.25 x 20.0mm Internally Irrigated Twist Drill
MTAP2	(1)	TAP 3.25 x 18mm	PD100	(1)	2/3mm Pilot Drill
PHD00N	(1)	Narrow Small Hex Hand Driver	PSD100	(1)	2/3mm Pilot/Shaping Drill
PHD02N	(1)	Narrow Large Hex Hand Driver	CD100	(1)	Countersink Drill
CSI10	(1)	Cover Screw Inserter	DP020	(1)	Implant Depth Probe
MDR10	(1)	Handpiece Connector	WR150	(1)	Ratchet Wrench
DI100	(3)	Direction Indicator	CW100	(1)	Open End Wrench
RD100	(1)	Round Drill	DE016	(1)	Drill Extension
ITD210	(1)	2.0 x 10.0mm Internally Irrigated Twist Drill	RE100	(1)	Ratchet Extension (6mm)
ITD215	(1)	2.0 x 15.0mm Internally Irrigated Twist Drill	RE200	(1)	Ratchet Extension (15mm)
ITD220	(1)	2.0 x 20.0mm Internally Irrigated Twist Drill	PTT100	(1)	Plastic Organizer Tray
ITD2710	(1)	2.75 x 10.0mm Internally Irrigated Twist Drill			
ITD2715	(1)	2.75 x 15.0mm Internally Irrigated Twist Drill			

## PSKT30

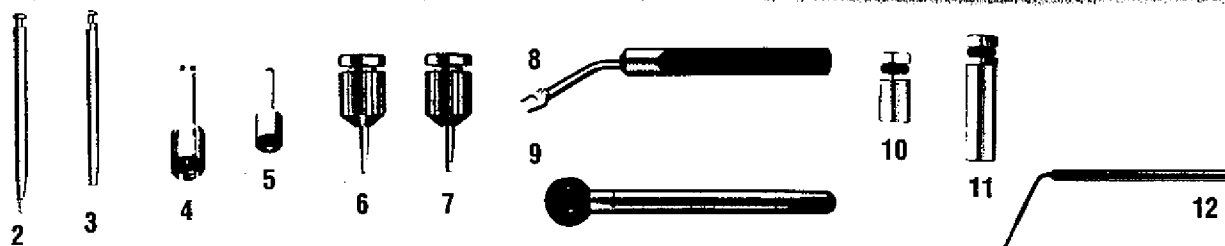
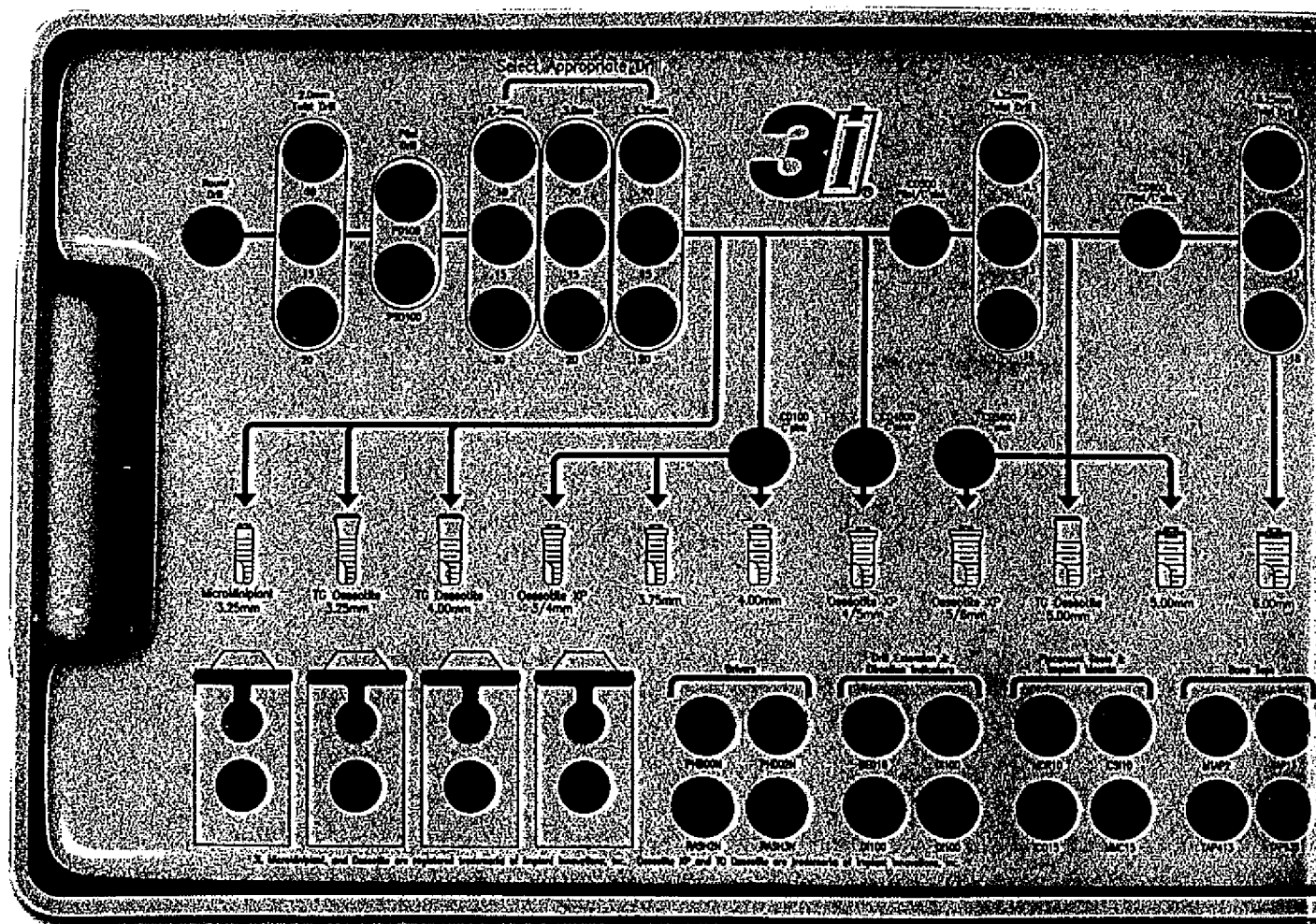
### Premium Threaded Surgical Kit

*(Includes all products from Standard Surgical Kit PSKT20 with the addition of the following products)*

CODE	QTY.	DESCRIPTION	CODE	QTY.	DESCRIPTION
ITD428	(1)	4.25 x 8.5mm Internally Irrigated Twist Drill	ITD5218	(1)	5.25 x 18.0mm Internally Irrigated Twist Drill
ITD423	(1)	4.25 x 13.0mm Internally Irrigated Twist Drill	CD4500	(1)	Countersink Drill for XP4/5
ITD4218	(1)	4.25 x 18.0mm Internally Irrigated Twist Drill	CD500	(1)	5.0mm Pilot/Countersink Drill
ITD528	(1)	5.25 x 8.5mm Internally Irrigated Twist Drill	CD5600	(1)	Countersink Drill for XP5/6
ITD523	(1)	5.25 x 13.0mm Internally Irrigated Twist Drill	CD600	(1)	6.0mm Pilot/Countersink Drill
			TAP53S	(1)	5.0 13.0mm TAP
			TAP63S	(1)	6.0 13.0mm TAP
			WDP02	(1)	Implant Depth Probe

# SURGICAL KITS

## THREADED



### PSKT10

#### Basic Threaded Surgical Kit

CODE	QTY.	DESCRIPTION	CODE	QTY.	DESCRIPTION
1) PTT300	(1)	Plastic UniSystem Surgical Tray	7) PHDO2N	(1)	Narrow Large Hex Hand Driver
2) RASH2N	(1)	Narrow Small Hex Driver Tip	8) CW100	(1)	Open End Wrench
3) RASH3N	(1)	Narrow Large Hex Driver Tip	9) WR150	(1)	Ratchet Wrench
4) CSI10	(1)	Cover Screw Insert	10) RE100	(1)	Ratchet Extension (6mm)
5) MDR10	(1)	Handpiece Connector	11) RE200	(1)	Ratchet Extension (15mm)
6) PHDOON	(1)	Narrow Small Hex Hand Driver	12) DPO20	(1)	Implant Depth Gauge



# SURGICAL KITS

## SKT25

**Basic Kit for 3.3, 4.0, & 4.25mm Cylinder Implants:**

TT300	(1)	Surgical Tray and Drill Block
RD100	(1)	Round Drill
ITD210	(1)	2.00mm Twist Drill (7-10mm)
ITD215	(1)	2.00mm Twist Drill (7-15mm)
ITD220	(1)	2.00mm Twist Drill (7-20mm)
PD100	(1)	Pilot Drill
ITD310	(1)	3.00mm Twist Drill (7-10mm)
ITD315	(1)	3.00mm Twist Drill (7-15mm)
ITD320	(1)	3.00mm Twist Drill (7-20mm)
TCB33	(1)	3.30mm Tri-Flute Burs (7-13mm)
TCB38	(1)	3.30mm Tri-Flute Burs (7-18mm)
TCB43	(1)	4.00mm Tri-Flute Burs (7-13mm)
TCB48	(1)	4.00mm Tri-Flute Burs (7-18mm)
CD100	(1)	Countersink Drill
DE016	(1)	Drill Extension
DI200	(1)	Direction Indicator (10mm)
IDG30	(1)	Implant Depth Gauge (3.3mm)
IDG40	(1)	Implant Depth Gauge (4.0mm)
ISI10	(1)	Implant Seating Instrument - Anterior
ISI15	(1)	Implant Seating Instrument - Posterior
MALL1	(1)	Mallet
CSI10	(1)	Cover Screw Inserter
PHD00N	(1)	Small Hex Driver
PHD02N	(1)	Large Hex Driver
RASH2N	(1)	Small Hex Driver Tip
RASH3N	(1)	Large Hex Driver Tip

## TGKIT

**TG OSSEOTITE Placement Kit**

**NOTE: These components are also included in the PSKT20 or PSKT30 Kits.**

Code	Qty.	Description
TT150	(1)	No-Touch Mini Surgical Block
PHD02N	(1)	Large Hex Driver
MDR10	(1)	Handpiece Connector
DI200	(1)	Direction Indicator (15mm)
DP020	(1)	Implant Depth Probe
WR150	(1)	Ratchet Wrench
CW100	(1)	Open End Wrench
RE200	(1)	Ratchet Extension (15mm)

## SKT23

**Component Kit for 3.3, 4.0 & 4.25mm Cylinder Implants**

**NOTE: This is a supplementary kit to PSKT20 or PSKT30.**

TCB33	(1)	3.30mm Tri-Flute Burs (7-13mm)
TCB38	(1)	3.30mm Tri-Flute Burs (7-18mm)
TCB43	(1)	4.00mm Tri-Flute Burs (7-13mm)
TCB48	(1)	4.00mm Tri-Flute Burs (7-18mm)
IDG30	(1)	Implant Depth Gauge (3.3mm)
IDG40	(1)	Implant Depth Gauge (4.0mm)
ISI10	(1)	Implant Seating Instrument - Anterior
ISI15	(1)	Implant Seating Instrument - Posterior
MALL1	(1)	Mallet

## SKT24

**Component Kit for 5.0 & 6.0mm Wide Diameter Cylinder Implants**

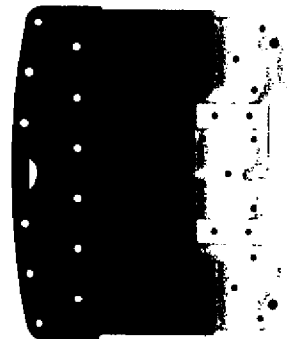
**NOTE: This is a supplementary kit to SKT25, PSKT20 or PSKT30.**

PD500	(1)	5.00mm Pilot Drill
TCB58	(1)	5.00mm Tri-Flute Burs (7-8.5mm)
TCB53	(1)	5.00mm Tri-Flute Burs (7-13mm)
PD600	(1)	6.00mm Pilot Drill
TCB68	(1)	6.00mm Tri-Flute Burs (7-8.5mm)
TCB63	(1)	6.00mm Tri-Flute Burs (7-13mm)
IDG50	(1)	Implant Depth Gauge (5.0mm)
IDG60	(1)	Implant Depth Gauge (6.0mm)

## PTT100

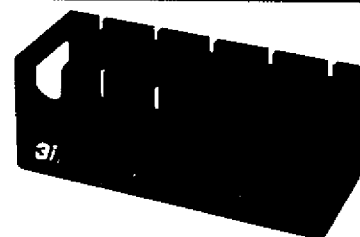
**Plastic Organizer Tray**

**NOTE: For use with PTT300**



## Surgical Kit Organizers

TT150	(1)	No-Touch Mini Surgical Block
TT210	(1)	Blue Drill Organizing Block
TT250	(1)	Aluminum Surgical Tray
TT300	(1)	Surgical Tray and Blue Drill Organizing Block



# SURGICAL DRILLS

## SINGLE-PATIENT-USE DRILL KITS

### 3 PACK KITS

#### DDK210

For Implants 7-10mm

DR100	Round Drill
DT210	2.3mm Twist Drill
DP100	Pilot Drill

#### DDK215

For Implants 7-15mm

DR100	Round Drill
DT215	2.3mm Twist Drill
DP100	Pilot Drill

#### DDK220

For Implants 7-20mm

DR100	Round Drill
DT220	2.3mm Twist Drill
DP100	Pilot Drill

#### DKTG10

For TG OSSEOTITE Implants 7-10mm

DR100	Round Drill
DT210	2.3mm Twist Drill
DPS100	Pilot / Shaping Drill

#### DKTG15

For TG OSSEOTITE Implants 7-15mm

DR100	Round Drill
DT215	2.3mm Twist Drill
DPS100	Pilot / Shaping Drill

### 3i Exclusive 5 Pack Kits

### 5 PACK KITS

#### DDK310

For Miniplants & Standard  
Diameter Implants (7-10mm)

DR100	Round Drill
DT210	2.3mm Twist Drill
DP100	Pilot Drill
DT310	3.00mm Twist Drill
DC100	Countersink Drill

#### DDK315

For Miniplants & Standard  
Diameter Implants (7-15mm)

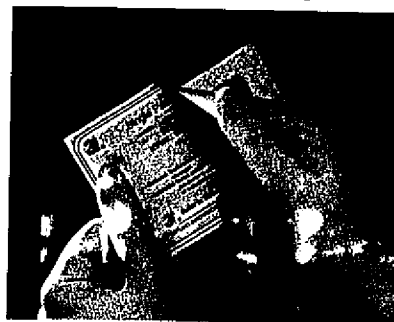
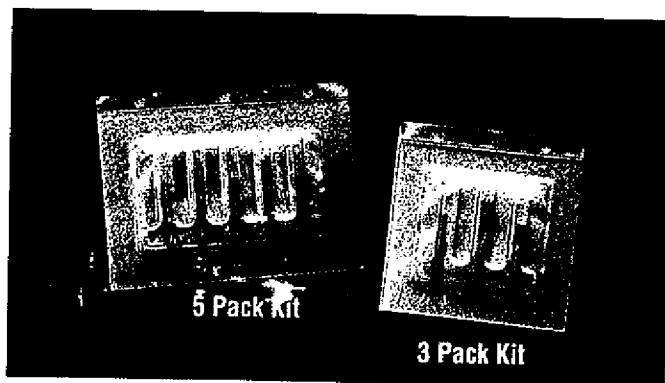
DR100	Round Drill
DT215	2.3mm Twist Drill
DP100	Pilot Drill
DT315	3.00mm Twist Drill
DC100	Countersink Drill

#### DDK320

For Miniplants & Standard  
Diameter Implants (7-20mm)

DR100	Round Drill
DT220	2.3mm Twist Drill
DP100	Pilot Drill
DT320	3.00mm Twist Drill
DC100	Countersink Drill

*All 3i Single-Patient-Use Drill Kits  
are packaged sterile in easy to  
handle peel back packaging*



## AUTOCLAVABLE MULTI-USE

### 3.25mm MICROMINIPLANT/MINIPLANT TAP

- ICE design tap
- For tapping in dense cortical bone
- For placement of 3.25mm threaded implants
- Commercially pure titanium
- MTAP2 included in Surgical Kits - PSKT20 and PSKT30

8.5-18mm  
**MTAP1** (18mmL)

8.5-18mm  
**MTAP2** (27mmL)



### 3.75mm STANDARD TAP

- ICE design tap
- For tapping in dense cortical bone
- Commercially pure titanium

7-10mm  
**TAP10**

7-13mm  
**TAP13**

7-20mm  
**TAP20**



### 4.00mm STANDARD TAP

- ICE design tap
- For tapping in dense cortical bone
- Commercially pure titanium
- TAP413 included in Surgical Kits - PSKT20 and PSKT30

7-10mm  
**TAP410**

7-13mm  
**TAP413**

7-20mm  
**TAP420**



### 5.00mm WIDE DIAMETER TAP

- ICE design tap
- For tapping in dense cortical bone
- Commercially pure titanium
- TAP53S included in Surgical Kit - PSKT30

7-8.5mm  
**TAP58S**

7-11mm  
**TAP53S**

7-18mm  
**TAP518S**



### 6.00mm WIDE DIAMETER TAP

- ICE design tap
- For tapping in dense cortical bone
- Commercially pure titanium
- TAP63S included in Surgical Kit - PSKT30

7-8.5mm  
**TAP68S**

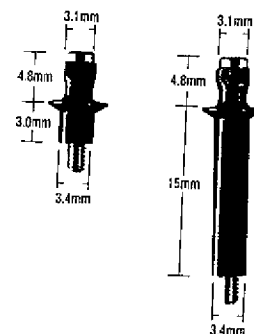
7-11mm  
**TAP63S**

7-18mm  
**TAP618S**



## MICROMINIPLANT MOUNTS

- Two lengths—Longer version designed for implant placement adjacent to or between natural teeth
- Anodized purple for easy visualization of mount-implant junction
- Use with Handpiece Connector (MDR10)
- Use with Wrench (WR150) and Ratchet Extension (RE100 or RE200) for final hand tightening of implant
- Commercially pure titanium
- MMC15 included in Surgical Kits - PSKT20 and PSKT30

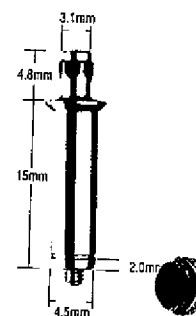


3mm  
MMC03

15mm  
MMC15

## LONG MOUNT FOR MINIPLANT, STANDARD AND WIDE DIAMETER IMPLANTS

- Designed for implant placement adjacent to or between natural teeth
- Use with Handpiece Connector (MDR10)
- Use with Wrench (WR150) and Ratchet Extension (RE100 or RE200) for final hand tightening of implant
- Commercially pure titanium
- IC015 included in Surgical Kits - PSKT20 and PSKT30



15mm  
IC015

## TG OSSEOTITE POSITIVE REVERSING MOUNT

- Used to remove TG OSSEOTITE Implants
- TGPRM included in Surgical Kits - PSKT20 and PSKT30



TGPRM



### NO-TOUCH THREADED IMPLANT DELIVERY SYSTEM

All **3i** threaded implants except MicroMiniplant (3.25mm) are packaged pre-mounted in the No-Touch Delivery System for fast and trouble-free implant placement. These mounts are disposable and anodized blue for easy visualization of mount-implant junction.

# IMPLANT WRENCHES

## OPEN END WRENCH

- Securely holds implant mount for threaded implants
- Designed to fit between teeth
- Allows easy mount removal from mouth
- Shape and length provide improved access, especially in partially edentulous cases
- Surgical grade stainless steel
- CW100 included in Surgical Kits - PSKT10, PSKT20, PSKT30, and TGKIT

**NOTE:** Open End Wrench not compatible with Nobel Biocare fixture mounts



**CW100**

## RATCHET WRENCH

- Used for final tightening (1 turn only) or final tapping in dense cortical bone (Not used for initial implant placement)
- Low profile head (6.5mm) for easy access
- Must be used with Ratchet Extension (RE100 or RE200)
- Hole in handle for easy cleaning and maintenance
- Surgical grade stainless steel
- WR150 included in Surgical Kits - PSKT10, PSKT20, PSKT30, and TGKIT

**NOTE:** Ratchet Wrench can be used with Nobel Biocare fixture mounts when Ratchet Extension is removed

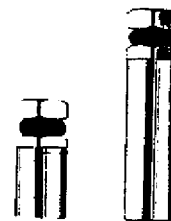


**WR150**

## RATCHET EXTENSION

- Use with all 3i implant mounts on threaded implants
- Place in Ratchet Wrench for final implant seating
- Use with Taps for implant placement in dense cortical bone
- Surgical grade stainless steel
- RE100 and RE200 included in Surgical Kits - PSKT10, PSKT20, PSKT30, and TGKIT
- RE200 only included in Surgical Kit - TGKIT

**NOTE:** Ratchet extensions will fit Nobel Biocare ratchet wrench



6mm  
**RE100**

15mm  
**RE200**

# IMPLANT DRIVERS

## SMALL HEX DRIVER

- Used to place and tighten implant cover screws
- Unique patented design allows carrying of components on the driver tip for easier placement and removal
- Matches small hex dimensions of 0.9mm (.035in)
- Surgical-grade stainless steel
- PHD00N included in Surgical Kits - PSKT10, PSKT20, PSKT30, and SKT25



17mm  
PHD00N

24mm  
PHD01

## SMALL HEX DRIVER TIP

- Used in Direct Drive (CADD0) and Contra-Angle Torque Driver (CATD0) to place and tighten implant cover screws
- Unique patented design allows carrying of components on the driver tip for easier placement and removal
- Surgical-grade stainless steel
- RASH2N included in Surgical Kits - PSKT10, PSKT20, PSKT30, and SKT25



24mm  
RASH2N

30mm  
RASH7

## LARGE HEX DRIVER

- Used to remove implant mounts, place healing abutments, and tighten hex prosthetic screws
- Unique patented design allows carrying of components on the driver tip for easier placement and removal
- Matches large hex dimensions of 1.2mm (.048in)
- Surgical-grade stainless steel
- PHD02N included in Surgical Kits - PSKT10, PSKT20, PSKT30, SKT25, and TGKIT



17mm  
PHD02N

24mm  
PHD03N

## LARGE HEX DRIVER TIP

- Used in Direct Drive (CADD0) and Contra-Angle Torque Driver (CATD0)
- For implant mounts, healing abutments, and prosthetic screws
- Unique patented design allows carrying of components on the driver tip for easier placement and removal
- Surgical-grade stainless steel
- RASH3N included in Surgical Kits - PSKT10, PSKT20, PSKT30, and SKT25



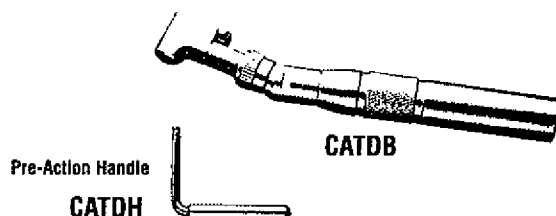
24mm  
RASH3N

30mm  
RASH8N

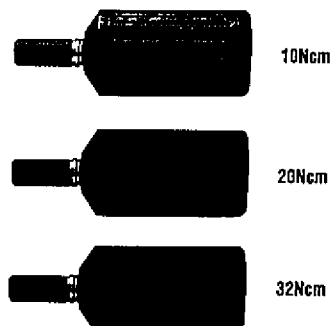
# MECHANICAL IMPLANT DRIVERS

## CONTRA-ANGLE TORQUE DRIVER AND TORQUE CONTROLLER (HAND-OPERATED)

- Allows the clinician to accurately apply the recommended preload torque level when securing various types of screws
- Interchangeable torque controllers with preset limits of 10, 20, and 32Ncm
- Accepts all contra-angle latch-type tips



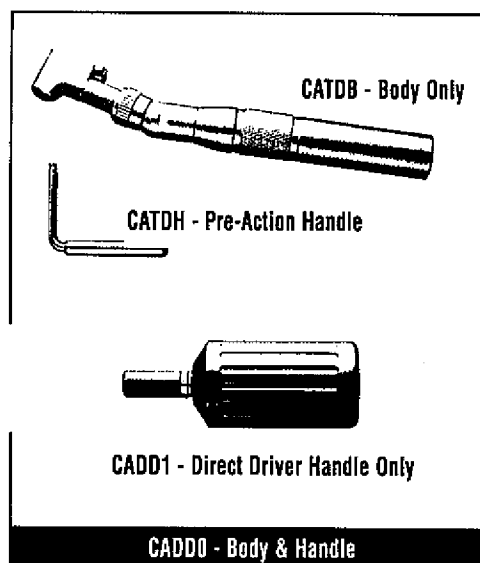
### Controllers



CATDB - Body  
CATDH - Handle  
CATC1 - 10Ncm  
CATC2 - 20Ncm  
CATC3 - 32Ncm

## CONTRA-ANGLE DIRECT DRIVE

- Simplifies access to posterior regions and between teeth or other implants
- Turning the knob on end of driver rotates interchangeable tips
- May be used to insert or remove various types of screws
- Accepts all contra-angle latch-type tips
- Compatible with 3i Torque Driver



## CONTRA-ANGLE TORQUE DRIVER KIT

### Contents:

Torque Driver Body  
Large Hex Driver Tip, Short  
Large Hex Driver Tip, Long  
Square Driver Tip, Short  
Square Driver Tip, Long  
Abutment Driver Tip

CATDB  
RASH3N  
RASH8N  
RASQ3N  
RASQ8N  
RASA3

Contra-Angle Torque Controller 20Ncm  
Contra-Angle Torque Controller 32Ncm  
Counter Torque Limiter  
Pre-Action Handle  
Prosthetic System Driver Tray

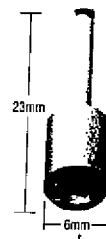
CATC2  
CATC3  
CATDL  
CATDH  
PSDT1

K1  
CATD0

# SURGICAL INSTRUMENTATION

## HANDPIECE CONNECTOR

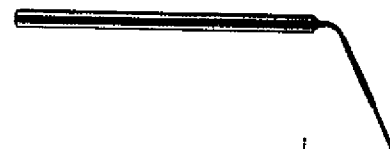
- Used to drive all taps for all threaded implants and implant mount (IC015) with handpiece
- For use with latch-type drill
- Designed to fit between teeth and into narrow spaces
- Surgical-grade stainless steel
- MDR10 included in Surgical Kits - PSKT10, PSKT20, PSKT30, and TGKIT



**MDR10**

## IMPLANT DEPTH PROBE

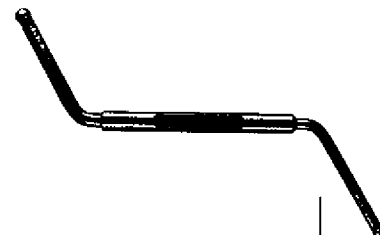
- Simplifies depth measurements
- Used at 2.00mm drill stage
- Apical ball provides tactile examination of bone preparation
- Commercially pure titanium
- DP020 included in Surgical Kits - PSKT10, PSKT20, PSKT30, and TGKIT



**DP020**

## WIDE IMPLANT DEPTH PROBE

- Apical ball provides tactile examination of bone preparation
- Gives precise measurement of osteotomy depth for 5.0 and 6.0mm threaded implants
- Used at 4.25 and 5.25mm drill stage
- Commercially pure titanium
- WDP02 included in Surgical Kit - PSKT30



**WDP02**

## CYLINDER IMPLANT DEPTH GAUGE

- Accurately measures depth of surgical site
- Commercially pure titanium
- IDG30 and IDG40 included in Surgical Kits - SKT23 and SKT25
- IDG50 and IDG60 included in Surgical Kit - SKT24

3.3mm  
IDG30

4.8mm  
IDG40

5.0mm  
IDG50

6.0mm  
IDG60





# SURGICAL INSTRUMENTATION

## GELB RADIOGRAPHIC DEPTH GAUGE KIT

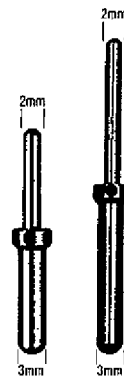
- Kit contains: (3) Gauges: 7-13mm  
(2) Gauges: 13-20mm
- Depth markings coincide with 7-20mm implant lengths
- Used at 2.00mm drill stage to radiographically check implant placement in relation to adjacent teeth, anatomical structures or other implants
- Used during Stage I Surgery
- Commercially pure titanium



**XDG00**

## DIRECTION INDICATORS

- Used as a direction guide to aid in parallel implant placement
- 2 and 3mm diameter ends allow use with 2.00 or 3.00mm drills
- Commercially pure titanium
- DI100 included in Surgical Kits - PSKT20 and PSKT30
- DI200 included in Surgical Kits - SKT25 and TGGIT

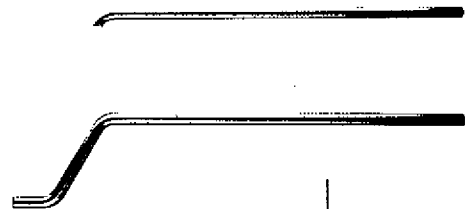


10mm  
**DI100**

15mm  
**DI200**

## IMPLANT SEATING INSTRUMENTS

- Position directly on placement head of cylinder implant for final seating
- Surgical grade stainless steel
- ISI10 and ISI15 included in Surgical Kits - SKT25 and SKT23



Anterior  
**ISI10**

Posterior  
**ISI15**

## MALLET

- Used with Implant Seating Instrument (ISI15) to place cylinder implants
- Used with osteotome technique
- Surgical grade stainless steel
- MALL1 included in Surgical Kits - SKT25 and SKT23



**MALL1**

Surgical  
Products

# SURGICAL INSTRUMENTATION

## COVER SCREW INSERTER

- Used to pick up and place cover screws from surgical tray to place in mouth
- Surgical-grade stainless steel
- CSI10 included in Surgical Kits - PSKT10, PSKT20, PSKT30, and SKT25



Miniplant/Standard  
CSI10

5.0mm Wide  
CSI50

6.0mm Wide  
CSI60

## TITANIUM FORCEPS

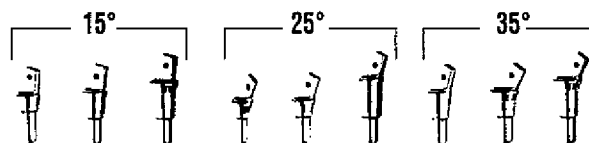
- Used to handle implants to avoid possible contamination of the titanium oxide layer
  - Commercially Pure Titanium
- NOTE:** No-Touch Delivery System for threaded implants eliminates the need for this instrument.



TF002

## PRE-ANGLED SURGICAL GUIDE KIT

- Determines implant site angle and pre-angled abutment selection before implant placement
- Used after 3.00mm twist drill and countersink drills
- Commercially pure titanium

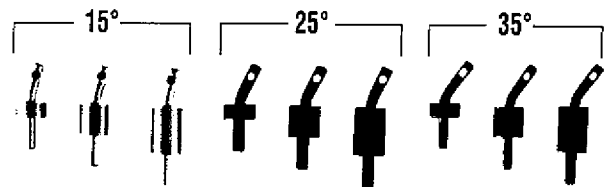


PMKIT

# SURGICAL INSTRUMENTATION

## PROSTHETIC ANGLE GUIDE KIT

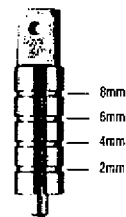
- Used to determine angle correction needed
- Soft tissue height and degree of angulation can be determined by selecting the correct Angle Guide
- Available in 2, 4, and 6mm trans-tissue heights



AG900

## TISSUE MEASURING POST

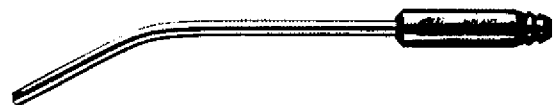
- Simplifies abutment selection
- Slides directly onto implant to measure tissue height
- Clearly marked at 2mm intervals
- Commercially pure titanium



TMP80

## TITANIUM SUCTION TIP

- Prevents possible contamination of the implant oxide layer at implant placement
- Commercially pure titanium



TST01

Surgical  
Products

# SURGICAL INSTRUMENTATION

## TITANIUM ELEVATOR

- Prevents possible contamination of the implant oxide layer at implant placement
- Commercially pure titanium



TE003

## TISSUE PUNCH

- Provides quick and precise method of soft tissue removal for easier seating of temporary components and abutments
- Punch diameter designed to extend just over implant to easily remove tissue
- May also be used for obtaining biopsy samples
- Surgical-grade stainless steel



4.1mm/Std  
TP001

5mm  
TP005

6mm  
TP006

## DRILL EXTENSION

- Extends any standard contra-angle drill by 17.5mm
- Narrow diameter simplifies drilling between and adjacent to natural teeth
- Surgical-grade stainless steel
- DE016 included in Surgical Kits - PSKT20, PSKT30, and SKT25



DE016

## DRILL STOPS

- Limits drilling depth to desired length
- For use with internally irrigated twist drills
- Sterile package, single use

2/3mm x 10mm  
DS2310

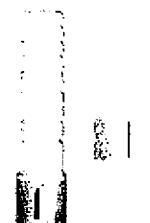
2/3mm x 15mm  
DS2315

2/3mm x 20mm  
DS2320

4/5mm x 8.5mm  
DS458

4/5mm x 13mm  
DS4513

4/5mm x 18mm  
DS4518



## DRILL EXTENSION

- Cutting block for easy sizing of drill stops

DSB100



# SURGICAL INSTRUMENTATION

## BONE PROFILERS

- Simple method of contouring bone around seating surface of implant
- Unique design prevents contact with seating surface of the implant
- Flare matches Emergence Profile (EP) healing abutment flare
- Recommended speed is 25 rpm or less, using light pressure in a clockwise direction (see technical bulletin)
- Primarily used at Stage II Surgery, but can be used during Single-Stage protocol
- Packaged with required Guide Pin



### MicroMiniplant

BP340 - 3.4mm dia/4mm flare

### Miniplant/Standard/Osseotite XP 3/4

BP450 - 4.1mm dia/5mm flare

BP460 - 4.1mm dia/6mm flare

BP475 - 4.1mm dia/7.5mm flare

### Wide 5.0mm/Osseotite XP 4/5

BP550 - 5mm dia/5mm flare

BP560 - 5mm dia/6mm flare

BP575 - 5mm dia/7.5mm flare

### Wide 6.0mm/Osseotite XP 5/6

BP660 - 6mm dia/6mm flare

BP675 - 6mm dia/7.5mm flare

BP340

BP450

BP460

BP475

BP550

BP560

BP575

BP660

BP675

## BONE PROFILER KITS

### BPKIT

For use with Standard Diameter Implants

BP450

BP460

BP475

Organizer box

### BPAKT

For use with 5.0mm and 6.0mm Wide Diameter Implants

BP550

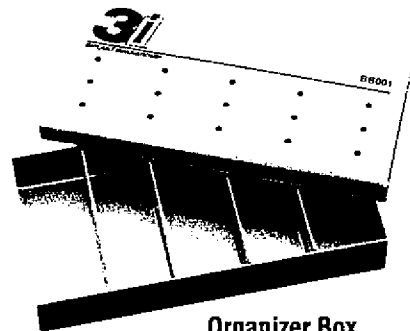
BP560

BP575

BP660

BP675

Organizer box



Organizer Box

Surgical  
Products

# DIAGNOSTIC TOOLS

## RADIOGRAPHIC MARKING BALLS

- Use on diagnostic or surgical stent
- Accurately determine x-ray magnification
- Aid in determining available bone for implant placement
- 5mm width
- Surgical-grade stainless steel



30 pkg  
RMB30

## STENT GUIDE TUBES

- Incorporate in the surgical guide stent for precise positioning of implant
- Guide the 2.00mm Twist Drill to the precise position and angulation
- Easily incorporated in the acrylic of the surgical stent
- Surgical-grade stainless steel

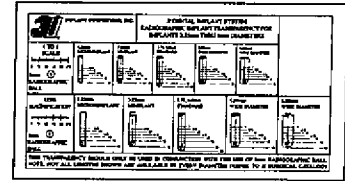


25 pkg  
SGT25

# DIAGNOSTIC TOOLS

## RADIOGRAPHIC IMPLANT TRANSPARENCY

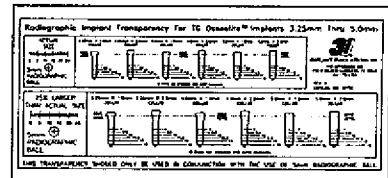
- Case planning tool for use with radiographs
- Provides 1:1 image and 25% magnification



ART574

## TG OSSEOTITE RADIOGRAPHIC IMPLANT TRANSPARENCY

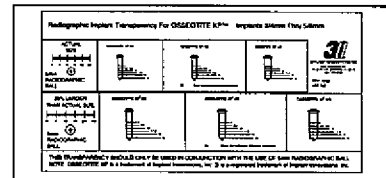
- Case planning tool for use with radiographs
- Provides 1:1 image and 25% magnification



ART655

## OSSEOTITE XP RADIOGRAPHIC IMPLANT TRANSPARENCY

- Case planning tool for use with radiographs
- Provides 1:1 image and 25% magnification



ART722

Surgical  
Products

# Regenerative Therapy

In 1999, **3i** acquired the rights to BIOGRAN, a resorbable synthetic bone graft material. BIOGRAN consists of a patented collection of bioabsorbable granules of 300-355 microns (50-45 mesh) which deliver calcium phosphate bone mineral to osseous defects. Proven safe and effective, BIOGRAN successfully completed seven years of intensive research and clinical applications in more than 100 patients. Biogran rounds out the **3i** regenerative line with BIOTACK Resorbable Fixation System, Bone Mill, and OsseoFix Chrome Cobalt Fixation System.

**3i**





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<b>BIOGRAN Resorbable Synthetic Bone Graft</b>	<b>64</b>
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<b>Bone-Mill</b>	<b>65</b>
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<b>BioTack Bioabsorbable Membrane Fixation System</b>	<b>66</b>
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<b>3i OsseoFix Fixation System</b>	<b>67</b>
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<b>Advanced Therapy Instrumentation</b>	<b>69</b>
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# REGENERATIVE THERAPY

## Biogran Resorbable Synthetic Bone Graft

Used to repair bony defects including: periodontal defects, extraction sites, and ridge augmentation

- Completely transforms to natural bone
- Optimizes space for new bone supply
- No second surgery for grafting is required
- No risk of disease transmission
- Patients can donate blood without restrictions

Biogran granules are engineered to the optimal 300-355 (50-45 mesh)  $\mu$ m diameter.



### SYRINGES

#### Clinical Benefits:

- Biogran is pre-measured at 750mg
- Blood is drawn directly into the syringe, which mixes with the Biogran particles
- Uniquely designed syringe allows for direct and accurate delivery to site



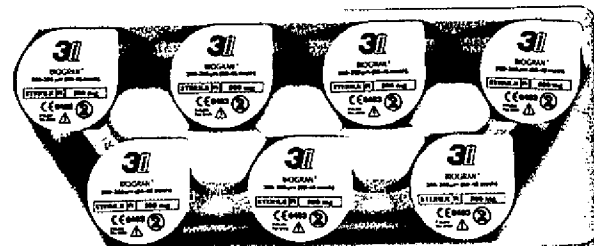
2-pk/750mg ea  
2100-0001

7-pk/750mg ea  
2100-0002

### PRE-FORMED DAPPEN DISHES

#### Clinical Benefits:

- Biogran is pre-measured at 500, 750, or 1500mg
- Blood is mixed with the Biogran particles directly in dappen dish
- Autogenous material can be added
- Biogran may be delivered by instrument of choice
- 7-Pack Box



7-pk/500 mg  
2100-0003

7-pk/750 mg  
2100-0004

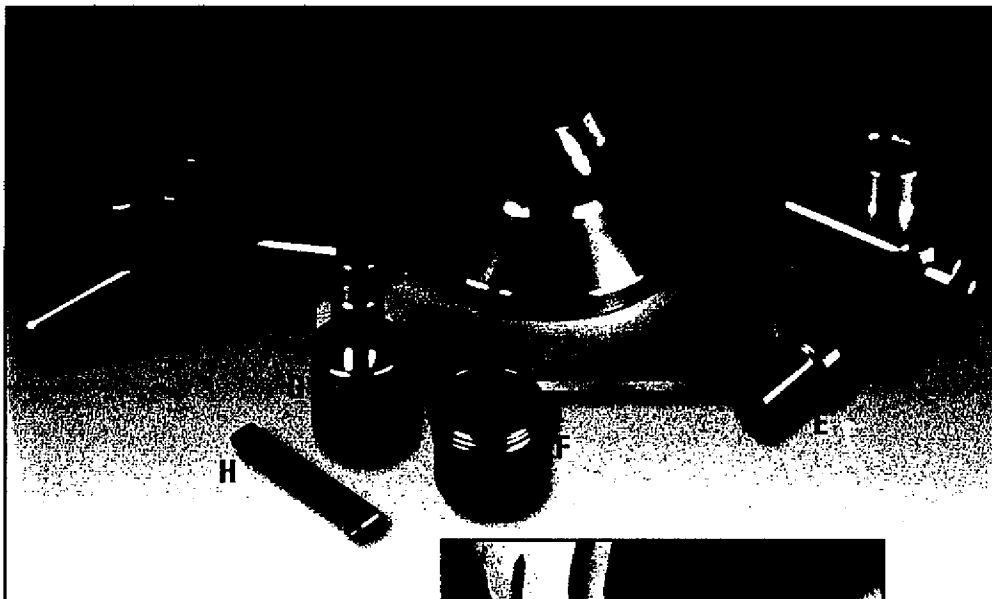
7-pk/1500 mg  
2100-0005

# REGENERATIVE THERAPY

## The R. Quélin Bone-Mill

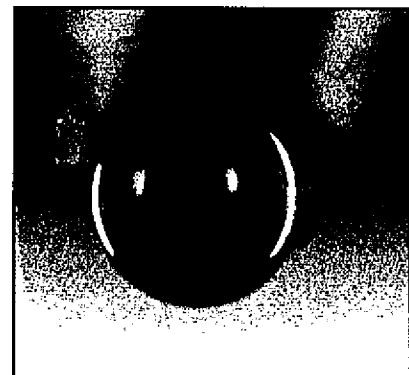
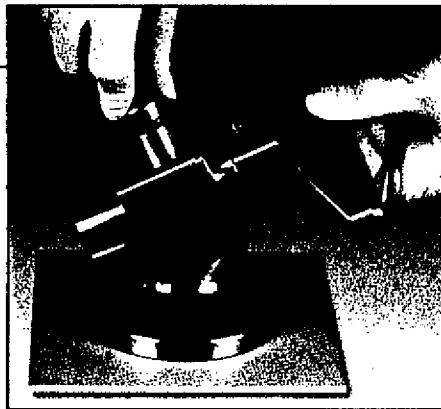
### For Stage II Surgery

- Grinds bone of various densities, especially compact cortical bone
- Bone particles as small as 3mm can be ground down
- Bone collected in special collector cap
- Comes complete with rubber stabilizing mat
- Dull resistant blade does not require sharpening



### Bone-Mill Product Components

- A. Handle
- B. Table Base
- C. Rubber Mat
- D. Housing
- E. Plunger
- F. Bone Collection Cup
- G. Grinding Wheel
- H. Mini Comb



QBM001

## BioTack Bioabsorbable Membrane Fixation System

### BIOABSORBABLE MEMBRANE FIXATION SYSTEM

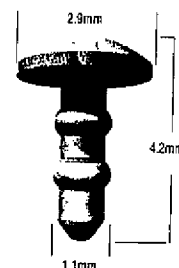
Used to stabilize the membrane during GBR or GTR procedures

- BioTack is made from the same copolymer as many resorbable sutures
- Eliminates the need for a second surgery when used with bioabsorbable membranes
- Simplifies the membrane removal process when used with non-absorbable membranes
- Absorption profile maintains functional integrity for a minimum of 8-10 weeks
- BioTack is completely absorbed by 12 months

### BIOTACK

#### Clinical Benefits:

- BioTack is designed to stabilize the membrane, eliminating membrane micromovement
- BioTack is precisely dimensioned and features two retention ridges on shank
- Packaged in a sterile No-Touch Delivery System for ease of placement



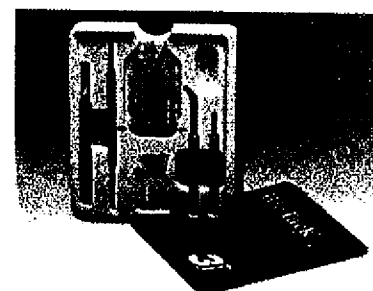
2-pk  
BI02P

3-pk  
BI03P

### BIOTACK INSTRUMENTATION SYSTEM

#### Contents:

BioTack Drills (2)	BIOD1
Membrane Stabilizer/Punch, Single Point	OFMS0
Membrane Stabilizer, Dual Point	OFMS1
BioTack Angled Driver	BIOAD
BioTack Straight Driver	BIOSD
BioTack Instrumentation Tray	BIOIT

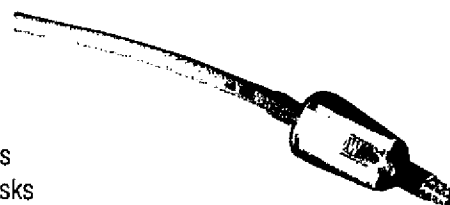


BI0IS

### AUTOGENOUS TISSUE COLLECTOR

#### The Autogenous Tissue Collector Provides

- Easy method for gathering autogenous graft material, potentially eliminating the need for a secondary harvest site
- Economical access to autogenous graft material via existing surgical sites
- Sterile single-use disposable device eliminates potential contamination risks associated with reusable devices

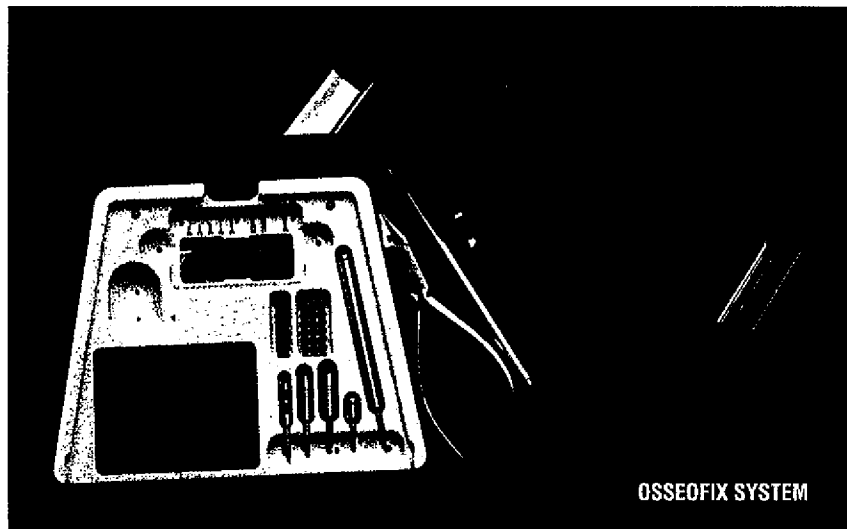


ATC05

# REGENERATIVE THERAPY

## OsseoFix System

- OsseoFix is a complete guided bone regeneration system that includes components for membrane and graft fixation
- Low profile screw heads reduce the potential for soft tissue perforation and palpability
- Narrow diameter screws (1.0mm) maximize graft volume
- Vitallium™ (cobalt chrome) microplates and screws control membrane micromovement and maintain space under the membrane. Vitallium has a long history of biocompatibility allowing for easy retrieval
- Friction fit squaredrive screwdrivers allow positive and secure engagement for direct delivery of screws to placement site



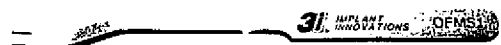
Regenerative  
Therapy

### OSSEOFIX MEMBRANE STABILIZER, SINGLE POINT



OFMS0

### OSSEOFIX MEMBRANE STABILIZER, DOUBLE POINT



OFMS1

# REGENERATIVE THERAPY

## OsseoFix and OsseoFix Select Systems

### OSSEOFIX - GUIDED BONE REGENERATION SYSTEM

#### OFKIT2 Contents:

QTY	Catalog #	Description
10	OFSQ13	Squaredrive Screw 1mm dia. x 3mm L
10	OFSQ14	Squaredrive Screw 1mm dia. x 4mm L
5	OFSQ16	Squaredrive Screw 1mm dia. x 6mm L
5	OFSQ18	Squaredrive Screw 1mm dia. x 8mm L
5	OFSQW3	Squaredrive Screw 1.2mm dia. x 3mm L
5	OFSQW4	Squaredrive Screw 1.2mm dia. x 4mm L
2	OFDR3	Drill .70mm dia. x 3mm L
2	OFDR4	Drill .76mm dia. x 4mm L
1	OFDR8	Drill .76mm dia. x 8mm L
1	OFLD9	Lag Drill 1.1mm dia. x 9mm L
1	TRE04	Trephine Bur 4mm dia.
1	TRE06	Trephine Bur 6mm dia.
1	TRE08	Trephine Bur 8mm dia.
1	OFRD1	Round Drill 1mm dia.
1	OFRAQ1	Squaredrive Right Angle Screw Driver Tip

QTY	Catalog #	Description
1	OFPDQ1	Squaredrive Posterior Screw Driver
1	OFLDQ1	Squaredrive Long Screw Driver
1	OFKBC1	OsseoFix Microplate Bender/Cutter
3	OFPO1	OsseoFix Microplate-Single Row
2	OFPO3	OsseoFix Microplate-Three Row
1	OFMS0	OsseoFix Membrane Stabilizer Single Point
1	OFMS1	OsseoFix Membrane Stabilizer Double Point
1	OFKT1	OsseoFix System Organizer Tray
1	OFKAC	OsseoFix System Autoclavable Case

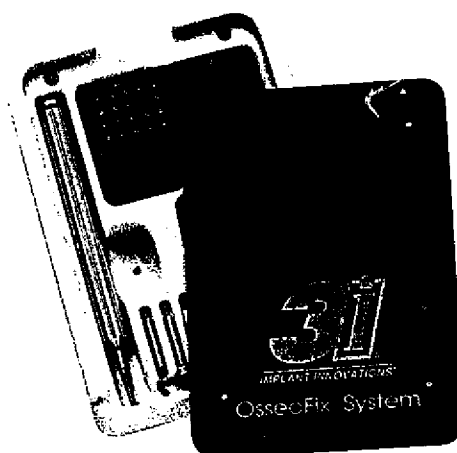
#### Additional Components:

OFSQ110	Squaredrive Screw 1mm dia. x 10mm L
OFSQ112	Squaredrive Screw 1mm dia. x 12mm L
OFSQW6	Squaredrive Screw 1.2mm dia. x 6mm L
OFSQW8	Squaredrive Screw 1.2mm dia. x 8mm L
OFSQW10	Squaredrive Screw 1.2mm dia. x 10mm L
OFSQW12	Squaredrive Screw 1.2mm dia. x 12mm L

### OFKIT OSSEOFIX SELECT - MEMBRANE STABILIZING SYSTEM

#### Contents:

QTY	Catalog #	Description
10	OFSQ13	Squaredrive Screw 1mm dia. x 3mm L
10	OFSQ14	Squaredrive Screw 1mm dia. x 4mm L
1	OFDR3	Drill .70mm dia. x 3mm L
1	OFDR4	Drill .76mm dia. x 4mm L
1	OFLDQ1	Squaredrive Long Screw Driver
1	OFKT2	OsseoFix Select Organizer Tray



**Note:** Organizer tray has space for additional instrumentation, screws and plates used in advanced GBR cases.

See 3i OsseoFix Instruction Manual for procedural instructions

# ADVANCED THERAPY

## SUMMERS OSTEOTOME KIT

- Used for implant placement, sinus elevation, ridge expansion, and future site preparation
- As opposed to a pointed tip, **concave tip to carry and push bone in front of the osteotome**
- Less likely to tear membrane
- Tapered walls to **laterally compress bone**
- Sharp perimeter edge to shave bone from walls of site
- Series of matching sizes for multiple uses
- Laser lines match drill depth markings and implant lengths
- Can be used with threaded or cylinder implants
- Follows Summers Osteotome techniques for implant placement



OST01



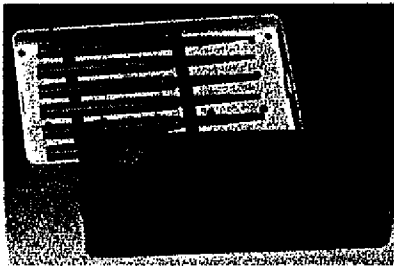
OST02



OST03



OST04



Summers Osteotome Kit  
OST20

Contents: OST01, OST02, OST03,  
OST04, OST05, OSTFS, and OSTTR  
Autoclavable Tray

Kit\*  
OST00

\*Kit includes all featured products  
OST01, OST02, OST03, OST04, and OSTTR,  
Autoclavable Tray

OST01

OST02

OST03

OST04

### Summers Osteotome Kit OST10

Contents: OST01, OST02, OST03, OST04, OST05, and OSTTR Autoclavable Tray

## OSTEOTOME FOR 5.0mm WIDE DIAMETER IMPLANTS

- For placement of 5.0mm Wide Diameter Implants following the Summers Osteotome technique



OST05

## OSTEOTOME FOR FUTURE SITE

- For future site creation following the Summers Osteotome technique
- Wide diameter to direct and carry bone



OSTFS

# Index





# IMPLANT QUICK REFERENCE

THREADED IMPLANTS	7mmL	8.5mmL	10mmL	11.5mmL	13mmL	15mmL	18mmL	20mmL
<b>MICROMINIPLANT</b>								
3.25mm OSSEOTITE MicroMiniplant		OSM385	OSM310	OSM311	OSM313	OSM315	OSM318	
3.25mm ICE MicroMiniplant		MM385	MM310	MM311	MM313	MM315	MM318	
<b>OSSEOTITE XP 3/4 &amp; MINIPLANT</b>								
3.25mm OSSEOTITE XP 3/4		OS3285	OS3210	OS3211	OS3213	OS3215	OS3218	
3.25mm ICE Miniplant		MH385	MH310	MH311	MH313	MH315		
<b>STANDARD DIAMETER</b>								
3.75mm OSSEOTITE Standard Diameter		OSS385	OSS310	OSS311	OSS313	OSS315	OSS318	OSS320
3.75mm ICE Standard Diameter		ICE385	ICE310	ICE311	ICE313	ICE315	ICE318	ICE320
3.75mm ST Self-Tapping Standard Diameter		ST385	ST310	ST311	ST313	ST315	ST318	ST320
4.0mm OSSEOTITE Standard Diameter		OSS485	OSS410	OSS411	OSS413	OSS415	OSS418	OSS420
4.0mm ICE Standard Diameter		ICE485	ICE410	ICE411	ICE413	ICE415	ICE418	ICE420
4.0mm ST Self-Tapping Standard Diameter		ST485	ST410	ST411	ST413	ST415	ST418	ST420
<b>OSSEOTITE XP</b>								
OSSEOTITE XP 4/5		OS4585	OS4510	OS4511	OS4513	OS4515		
<b>WIDE DIAMETER - 5.0mm</b>								
5.0mm OSSEOTITE Wide Diameter	OSS507	OSS585	OSS510	OSS511	OSS513	OSS515	OSS518	
5.0mm ICE Wide Diameter	ICE507	ICE585	ICE510	ICE511	ICE513	ICE515	ICE518	
<b>OSSEOTITE XP</b>								
OSSEOTITE XP 5/6		OS5685	OS5610	OS5611	OS5613	OS5615		
<b>WIDE DIAMETER - 6.0mm</b>								
6.0mm OSSEOTITE Wide Diameter	OSS607	OSS685	OSS610	OSS611	OSS613	OSS615	OSS618	
<b>TG OSSEOTITE</b>								
3.25mm Miniplant / 1.8mm Collar		TG2385	TG2310	TG2311	TG2313	TG2315		
3.25mm Miniplant / 2.8mm Collar		TG3385	TG3310	TG3311	TG3313	TG3315		
4.0mm Standard / 1.8mm Collar		TG2485	TG2410	TG2411	TG2413	TG2415		
4.0mm Standard / 2.8mm Collar		TG3485	TG3410	TG3411	TG3413	TG3415		
5.0mm Wide Diameter / 1.8mm Collar		TG2585	TG2510	TG2511	TG2513	TG2515		
5.0mm Wide Diameter / 2.8mm Collar		TG3585	TG3510	TG3511	TG3513	TG3515		

CYLINDER IMPLANTS	7mmL	8.5mmL	10mmL	11.5mmL	13mmL	15mmL	18mmL	20mmL
<b>MICROMINIPLANT</b>								
3.3mm MicroMiniplant		TM385	TM310		TM313	TM315		
<b>MINIPLANT</b>								
3.3mm Miniplant		TH385	TH310		TH313	TH315		
<b>STANDARD DIAMETER</b>								
4.0mm Standard Diameter	TP407	TP485	TP410		TP413	TP415	TP418	
<b>WIDE DIAMETER - 5.0mm</b>								
5.0mm Wide Diameter	TP507	TP585	TP510		TP513			
<b>WIDE DIAMETER - 6.0mm</b>								
6.0mm Wide Diameter	TP607	TP685	TP610		TP613			

# HEALING ABUTMENT QUICK REFERENCE

TRANS-TISSUE HEIGHT				
For MICROMINIPLANT 3.25/3.3mm Implants	2mm	4mm	6mm	8mm
<b>EP ONE-PIECE</b>				
One-Piece 3.8mm Flare	MHA32	MHA34	MHA36	
For OSSEOTITE XP 3/4, MINIPLANT 3.25/3.3mm Implants and STANDARD 3.75/4.0mm Implants	2mm	4mm	6mm	8mm
<b>EP ONE-PIECE</b>				
One-Piece 5.0mm Flare	THA52	THA54	THA56	THA58
One-Piece 6.0mm Flare		THA64	THA66	THA68
One-Piece 7.5mm Flare		THA74	THA76	THA78
<b>EP TWO-PIECE</b>				
Two-Piece 5.0mm Flare		TH254	TH256	TH258
Two-Piece 6.0mm Flare		TH264	TH266	TH268
Two-Piece 7.5mm Flare		TH274	TH276	TH278
For WIDE DIAMETER 5.0mm and OSSEOTITE XP 4/5 Implants	2mm	4mm	6mm	8mm
<b>EP ONE-PIECE</b>				
One-Piece 5.0mm Flare	WTH52	WTH54	WTH56	WTH58
One-Piece 6.0mm Flare	WTH562	WTH564	WTH566	WTH568
One-Piece 7.5mm Flare	WTH572	WTH574	WTH576	WTH578
<b>EP TWO-PIECE</b>				
Two-Piece 5.0mm Flare		WT2554	WT2556	WT2558
Two-Piece 6.0mm Flare		WT2564	WT2566	WT2568
Two-Piece 7.5mm Flare		WT2574	WT2576	WT2578
For WIDE DIAMETER 6.0mm and OSSEOTITE XP 5/6 Implants	2mm	4mm	6mm	8mm
<b>EP ONE-PIECE</b>				
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One-Piece 7.5mm Flare	WTH672	WTH674	WTH676	
<b>EP TWO-PIECE</b>				
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☐ Credit Card (please circle card)

**Visa   MasterCard   American Express**

**Street Address/Suite #**

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Exp. Date \_\_\_\_\_

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Attn: Device Evaluation - Dental, Oral-maxillofacial

Re: 510(k) Notification: **OSSEOTITE® Dental Implant - Performance Claim**

Dear Sir or Madam:

Pursuant to Section 510(k) of the Federal Food, Drug and Cosmetic Act, Implant Innovations, Inc. (3i), a Medical Device Manufacturer, located at the above address (FDA registration number 1038806), is submitting the attached information to support a new clinical performance claim relating to the healing time between implant placement and prosthetic loading, when implants with the **OSSEOTITE®** surface are used in either one or two stage surgical protocols.

To support this claim, the following materials and information is provided:

01. Brief historical review of recommended healing periods and current trends..
02. Test and clinical data to support proposed revised stage-one surgery healing period for **OSSEOTITE®** implants.
03. Competitor information to which substantial equivalence is made.
04. 510(k) summary.

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It is believed the information contained in this Pre-Market Notification adequately supports the proposed new procedural claim for reduced stage-one surgery healing times as described herein. However, should you have any questions or should additional information be required, please do not hesitate in calling. 3i will appreciate your earliest possible consideration of this submission.

Sincerely,

A handwritten signature in dark ink, appearing to read 'William G. Conety', is written over a horizontal line. To the right of the signature, the date '09/18/98' is handwritten.

William G. Conety  
Regulatory Affairs

# Osseotite® Dental Implant Performance Claim



PLANT INNOVATIONS®

4555 Riverside Drive  
Palm Beach Gardens, FL 33410  
1-800-443-8166  
(561) 776-6700

**PRE-MARKET NOTIFICATION**  
**TRUTHFUL AND ACCURATE STATEMENT\***

**(As Required By CFR 807.87(j))**

I certify that in my capacity as Director of Regulatory Affairs, I believe to the best of my knowledge, that all data and information submitted in the Pre-Market notification are truthful and accurate and that no material fact has been omitted.

Date: September 18, 1998

William G. Conety  
Regulatory Affairs

PRE-MARKET Notification (510(k) Number: K-\_\_\_\_\_

\* Must be signed by a responsible person of the firm required to submit the PRE-MARKET notification (e.g., not a consultant for the 510(k) submitter.)

**510(k) Number: K980549**

Page 1 of 1

**Device Name:** Endosseous Dental Implant - **OSSEOTITE®** Dental Implant System  
(Original Pre-Market Notification number K935544).

**INDICATIONS FOR USE:**

An endosseous dental implant is indicated for surgical placement in the upper or lower jaw arches, to provide a root form means for prosthetic appliance attachment and to restore a patient's chewing function.

With use of **OSSEOTITE®** implants, the time between surgical implant placement and evaluation for prosthetic loading may be reduced from previously recommended four months (mandible) and six months (maxillary) to, two months for either mandibular or maxillary sites, when such evaluation confirms appropriate conditions for prosthetic attachment and masticatory loading.

**DO NOT WRITE BELOW THIS LINE - CONTINUE ON ANOTHER PAGE**

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Concurrence of CDRH, Office of Device Evaluation (ODE)

Prescription Use: \_\_\_\_\_ OR Over-The-Counter Use: \_\_\_\_\_ Per 21 CFR 801.109)

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**510(k) SUBMISSION: OSSEOTITE® Dental Implant System:**

Performance claim: Reduced time from implant placement to clinical evaluation for prosthetic loading with OSSEOTITE® implants.

01. **CLASSIFICATION NAME:** Endosseous Dental Implant
02. **COMMON/USUAL NAMES:** Threaded/screw type dental implants
03. **PROPRIETARY NAME:** OSSEOTITE® Dental Implants
04. **ESTABLISHMENT REGISTRATION NUMBER:** 1038806
05. **CLASSIFICATION:** Endosseous implants, per 872.3640 are class III devices. Date PMA or notice of Completion of a PDP is required but no effective date has yet been established for the requirements for pre-market approval.
06. **PERFORMANCE STANDARDS:** Unknown
07. **DEFINITIONS:** In this submission the following definitions apply:

**Stage-one surgery** means the surgical procedure to place an implant and healing abutment (3i-K960415) or one-stage implant with cover screw (3i-K972444) into the upper or lower jaw arch as future support for a prosthetic appliance.

**Healing time** means the time period between implant placement and clinical evaluation for application of a prosthetic appliance (loading).

**Adequate healing** is assessed by clinical evaluation to determine additional treatment requirements, restorative options and/or immediate attachment of a prosthetic appliance. Adequate healing is achieved when the implant is immobile under manual manipulation, no radiolucency is observed, local bone/soft tissue health is acceptable and there is no other noted condition considered by the treating clinician to be contraindicating for application of a prosthetic appliance.

**Prosthetic appliance** means provisional or permanent. No distinction is made between provisional and permanent as both may permit transmission of masticatory loading forces to the implant.

## 08. BACKGROUND:

Historically, it has been widely reported and generally accepted that successful implant treatment requires some defined period of time for healing between surgical placement of the implant and subsequent restorative procedures or actual application of a prosthetic appliance. Brånemark and others including 3i, have widely endorsed the position that at least three to four months healing is required for implants placed in the mandible or other sites with dense bone and five to six months for maxillary implants or where mostly soft trabecular bone is present (*Exhibit 01*). Since Brånemark et al., first recommended these healing times, they have become *de facto* standards for dental implant treatment and for many clinicians, an integral part of their standard treatment modality.

Regardless of available clinical data (or lack thereof) used to support previous recommended healing time or other means by which these time periods became established in the dental implant community, most clinicians understand that in addition to time, adequate healing or integration of implant to bone, was (is) also directly related to, among others, patient general and in particular oral health factors, overall scope and complexity of the clinical/surgical procedure(s) required to place the implant or undertaken in conjunction with the implant treatment procedures and to some extent, the skill and experience of the implant surgeon. It is also well known and understood that even with, what appears to be the best of all conditions, there are still implant treatment failures for which there seems to be no identifiable cause(s).

Recently there has been a significant increase in activity directed toward claims or implications by manufacturers and/or clinicians, specifically relating to reduced healing times or in some cases, elimination altogether of unloaded (no prosthetic appliance or protection from masticatory forces) post-implant healing times. These more recent developments claim or imply that specific implant design features and/or surface characteristics are contributory factors to "Rapid osseointegration with implant loading within 3 months" (*Exhibit 02*), "... routine reduction of healing times to 6 - 8 weeks before loading." and "... will allow full restorative loading of the implants 6 weeks after implant insertion in suitable cases." (*Exhibit 03*) and of course the "Immediate-Load Implant ... that can be immediately loaded while the bone grows ..." (*Exhibit 04*).

In these examples, manufacturers provide information to indicate or otherwise imply that adequate clinical data is available to support their various claims of

faster healing, less time to prosthetic attachment or immediate loading while the implant site (bone) continues to heal. All this clinical data being reported lends some validity to suggestions that implant design, surface structure or surface features or perhaps some combination thereof, may relate or contribute in some way to a physiological phenomenon, affecting actual healing times.

Implant Innovations, Inc. early on, recognized the importance of improving overall dental implant treatment, through development of device design enhancements that simplified or otherwise improved the science of dental implantology. In mid 1991, a task was undertaken to develop and apply a much greater understanding of the bone healing process to an improved implant design and/or surface morphology. One of the key outcomes of this undertaking has been development of the OSSEOTITE® Implant (K935544).

## **09. RESEARCH AND CLINICAL TESTING OVERVIEW**

The osteoblast is the primary cell associated with production of new bone and extra cellular matrix. To generate bone in direct apposition to an implant surface, the osteoblast and other osteogenic material must migrate to and contact the implant surface. The gap between bone and implant surface must be bridged. It's reported osteoblast utilize two different methods to approach and deposit bone on an implant surface. These two methods are referred to as "Distance" and Contact Osteogenesis" (See *Exhibit 05* with appropriate reference).

In "distance osteogenesis", new bone is created and formed on the surface of existing bone; the process continuously repeated until bone healing or growth is completed or until the new bone encroaches upon the implant surface. However, "distance osteogenesis" phenomenon does not appear to completely close the gap between living bone and implant surface. When "distance osteogenesis" is the primary means of bone healing, the implant will always be partially separated from the bone by trapped connective tissue.

With "contact osteogenesis", new bone is formed directly upon the implant surface. Contact osteogenesis relies on migration of osteogenic cells directly to the implant surface. Migration occurs along the fibrin network formed during blood clot resolution. However, it's been noted that any disruption of this fibrin network may result in redirection of osteoblast from the implant surface. Thus, the defined OSSEOTITE® surface morphology may explain its ability to maintain the clot or fibrin network (referred to also as osseointegration).



Since market introduction, OSSEOTITE® has generated significant interest in the dental implant community at both clinical and competitor levels. 3i has been approached by numerous academic and clinical researchers for materials and support to further evaluate the unique surface and its relationship to bone interface and tissue reaction. As such, we have several ongoing physio-mechanical evaluations prospective human clinical trials ongoing to evaluate various aspects of clinical performance and the resulting success rates.

These ongoing evaluations and clinical studies indicate OSSEOTITE® implant surface appears to provide greater overall performance success rates when used in areas normally associated with poorer bone quality such as posterior maxilla (K980549) and based on initial results, also appears to require less time to achieve adequate healing between stage one surgery and prosthetic loading.

Interim results from various ongoing evaluations, animal studies and clinical trials using OSSEOTITE® implants provide additional evidence of a correlation between implant surface morphology and bone growth and possible healing abilities, clearly demonstrating an increase in resistance to countertorque extraction for OSSEOTITE® implants compared to machined surfaced implants at healing times significantly less than previously recommended in surgical manuals and Instructions for Use (*Exhibit 06*).

In research at the University of Toronto Center for Biomaterials (*Exhibit 07*), hollow titanium chambers containing either a machined or acid etched surface were implanted into a rat model. Histology demonstrates the phenomenon known or referred to as "contact osteogenesis and the relationship of clot retention to bone healing. In titanium chambers with a machined surface the clot was observed to pull away from the chamber wall permitting bone formation slowly down the center of the chamber only. In acid etched chambers, the clot remained in contact with the etched surface, enabling bone to form directly on the chamber surface and filling the chamber completely. By placing fibrin material between prepared surfaces of two titanium disks, the clot retention of different surface topographies is determined by the amount of force required to separate the disks. The etched surface was noted to consistently demonstrate two times the clot retention of a machined surface.

From ongoing clinical trials it has also been reported that OSSEOTITE® implants appear to attain a firm attachment, integrated with new bone in

significantly less time than non-OSSEOTITE® implants for consideration of prosthetic loading (*Exhibit 08*).

#### 10. SUBSTANTIAL EQUIVALENCE:

OSSEOTITE® Implants have been determined substantially equivalent in design and materials to 3i's standard and self-tapping implants, the Astra, Nobel Biocare and Corvent implant systems. Information and materials contained within this submission do not alter the Agency's original determination of substantial equivalence of OSSEOTITE® implant, but provides additional information to support a marketing claim of reduced stage-one healing time from four months for implants placed in the mandible or other locations with dense bone and from six months to two months regardless of mandible, maxilla or placement sites with seeming less dense or trabecular bone.

The proposed 3i reduced healing time claims are substantially equivalent to claims made by Inova Corp. For the "Endopore™" implant system (*Exhibit 02*) in that data from both systems recognize implant surface area and morphology as relevant factors to faster healing. Inova Corp. The systems differ in actual implant and surface designs.

Proposed 3i claims of reduced healing time are substantially equivalent to claims made by ITI® Straumann for "SLA Surface" implants (*Exhibit 03*) in that "SLA" instructions recommend three months healing in "Good quality bone" and 4 months in "Spongiest bone" and, in at least one marketing piece, Straumann suggests further possible reductions in healing time by stating their clinical studies may (sometime in the future) demonstrate "... routine reduction of healing time to 6-8 weeks before loading." Substantial equivalence is further achieved in that the "SLA Surface" is nearly identical to the OSSEOTITE® surface. Clinical studies by both 3i and Straumann provide strong evidence to suggest surface area and morphology as relevant factors to faster healing. Surgical procedures for placement of the Straumann "SLA Surface" implant and OSSEOTITE® single stage also do not substantially differ.

Both 3i and Straumann also continue to recommend unloaded healing times.

Healing claims differ in that Straumann (and others) specifically state healing occurs in defined time periods. 3i does not make this claim and believes such claims may be somewhat misleading. 3i will recommend, based on all data

obtained or reviewed to date, that clinical evaluation for application of a prosthetic appliance may be appropriate two months post stage-one surgery, provided all healing or integration criteria are met continuation of the restorative process and possible prosthetic attachment.

Though immediate prosthetic loading may be a desirable possibility, at this time 3i's proposed claims do not reflect substantial equivalence to any such claims (*Exhibit 04*). 3i will continue to recommend unloaded healing, until such time that adequate scientific and long term clinical data is available to support immediate prosthetic loading.

#### **11. LABEL/LABELING MATERIALS:**

Product labels will not change from those specified in original OSSEOTITE® Pre-Market notification (K935544) or OSSEOTITE® Single Stage Implants (K972444). Instructions for use, promotional materials and future surgical manuals, brochures, instructions for OSSEOTITE® surfaced implants will be revised to reflect the claim for reduced healing time to consideration of prosthetic loading as stated herein.

Marketing/promotional materials may be developed to include wording such as reduced healing time or similar such wording to indicate that prosthetic loading may be considered at substantially reduced time periods, from those previously recommended, when OSSEOTITE® surfaced implants are used.

Suggested new surgical manual wording: "The time elapsed between surgical implant placement and the final abutment placement is referred to as the healing or osseointegration period. The duration of the healing is dependent upon the quality of the bone at the specific site. OSSEOTITE® implants experience an accelerated healing rate due to an increase in contact osteogenesis activity. Interim results from ongoing clinical studies demonstrate OSSEOTITE® implants, when placed in accordance with good clinical practice, may be reasonably expected to achieve adequate healing (integration), two months after surgical placement and consideration of prosthetic loading may be undertaken at that time. Healing periods can vary or be modified, depending on many factors including bone quality at implantation site and/or clinical assessment of bone density at the time of the surgical procedure. A radiographic examination after two months and prior to restoration, should be completed to confirm adequate healing (absence of radiolucency). During the healing period, the

implant must remain unloaded. Extreme care must be taken to avoid pressure on or over the implant during this period. Existing prosthetic devices, if reused must be appropriately altered to protect the implant site from masticatory forces or if a temporary restoration is used, it must be designed so as to prevent functional loading of the OSSEOTITE® implant."

## **12. INDICATIONS FOR USE:**

An Endosseous dental implant is indicated for surgical placement in the upper or lower jaw arches, to provide a root form means for prosthetic appliance attachment to restore a patient's chewing function. A successfully integrated implant will achieve a firm and direct connection between the living bone and the surface of the titanium or titanium alloy implant when surgically implanted under controlled conditions, per well known clinical studies.

There has been no change in the indications for use from those specified in the original Pre-Market Notification (K935544) except that with OSSEOTITE® implants, the time required to achieve adequate healing after stage one surgery for prosthetic loading consideration may be reduced from four months for implants placed in the mandible or other locations with dense bone and from six months to two months regardless of mandible, maxilla or placement sites with seeming less dense or trabecular bone, provided all clinical healing (integration) criteria are met for prosthetic application.

## **13. CONTRAINDICATIONS:**

3i implants should not be used in cases where the remaining jaw bone is too diminished to provide adequate width or height to surround the implant. Lack of osseointegration or subsequent implant failure may occur in cases where there is insufficient available bone or poor bone quality, poor oral hygiene, heavy smoking or tobacco abuse, or medical conditions such as blood disorders, infection(s), vascular impairment at surgical site, uncontrolled diabetes, heavy smoking or tobacco abuse, drug or alcohol abuse, chronic high dose steroid therapy, medical conditions such as blood clotting disorders, current or ongoing anticoagulant therapy, metabolic bone disease or other metabolic or systemic disorders which may adversely affect bone or wound healing or cases in which the available bone is too diminished to provide adequate width or height to adequately hold implants and restorative appliances.

**14. WARNINGS:**

For safe and effective use of 3i implants, it is strongly suggested that specialized training be undertaken since the surgical techniques required to place dental implants are highly specialized and complex procedures. Improper patient selection and technique can cause implant and/or abutment failure with possible loss of supporting bone.

**15. PRECAUTIONS:**

Thorough screening of prospective implant candidates must be performed. Visual inspection as well as panoramic and periapical radiographs are essential to determine anatomical landmarks, occlusal conditions, parodontal status, and adequacy of bone. Lateral cephalometric radiographs, CT Scans, and tomogram may also be beneficial.

**16. ADVERSE EFFECTS:**

Loss of implant anchorage (failure to osseointegrate) and loss of the prosthesis are possible occurrences after surgery. Lack of quantity or quality of remaining bone, infections, poor patient oral hygiene or cooperation, and generalized diseases (diabetes, etc.) are some potential causes for loss of anchorage.

**17. SURGICAL COMPLICATIONS:**

The implant procedure has risks, including localized swelling, dehiscence, tenderness of short duration, edema, hematoma, or bleeding. Numbness of the lower lip and chin region following lower jaw surgery, and of the tissue beside the nose following upper jaw surgery, is a possible side effect of the surgery. Though it would most probably be of a temporary nature, in very rare cases, the numbness has been permanent. Gingival/Mucosal (gum tissue) ulceration, tissue reaction, or infection may occur, but generally responds to local care.

**18. PRE-MARKET NOTIFICATION CLASS III CERTIFICATION AND SUMMARY FOR SUBMISSION:**

I certify a reasonable search has been conducted of all information known or otherwise available about the types and causes of safety and/or effectiveness

45

problems that have been reported for Endosseous Dental Implant systems, including abutment systems. Failure to osseointegrate or loss of osseointegration can be caused by improper patient selection (patients with systemic diseases which affect bone physiology, patients with habits such as bruxing or clenching, patients who are physically or psychologically unable to carry out proper implant hygiene, heavy smoking or alcohol use), by improper surgical technique (overheating of bone) or improper case planning or restorative technique (overloading of implants through improper placement, use of an insufficient number of implants or excessive cantilever). Improper implant processing by the manufacturer or improper handling by the customer, resulting in contamination, can also effect osseointegration.

Fracture of implants can occur, particularly in implants with apical cross-holes. Fracture occurs either on insertion of screw-type implants due to excessive torque (improper surgical technique such as an error in drill selection) or in service due to loss of bone.

Fracture of abutments and abutment screws occurs in implant systems and is usually attributed to factors within the control of the implant team, such as lack of passive fit of the restoration or excessive cantilever, or within the control of the patient, such as bruxing.

Other types of safety and efficacy problems which have been observed for endosseous dental implant systems are local soft tissue degeneration and bone resorption, paresthesia, perforation of the maxillary sinus, perforation of labial and lingual plates, local and systemic infection, prosthetic framework fracture, nerve injury, bone fracture, injury to adjacent teeth and their supporting bone, oroantral or oronasal fistula, gingival hyperplasia, soft tissue overgrowth, perforation of the gingiva by the healing screw, mucosal abscess, displacement of the implant into the mandibular canal, hemorrhage of the floor of the mouth due to transection of the sublingual artery and breakage of drill tip, requiring surgical removal.

\_\_\_\_\_ end \_\_\_\_\_

William G. Conety  
Regulatory Affairs

## **510(k) SUBMISSION: OSSEOTITE® Dental Implant System:**

Performance claim: Reduced time from implant placement to restoration with OSSEOTITE® implants.

### **EXHIBITS**

01. Original recommended healing times
02. Innova Corp. Endopore™ literature
03. ITI® Straumann "SLA" surface literature and instructions for use
04. Sargon "Immediate-Load Implant" literature
05. "OSSEOTITE™ a Clot Retentive Surface"
06. Counter torque studies
07. University of Toronto studies
08. Clinical data to support early loading claims
09. 510(k) Summary

# Exhibit 01



To prevent damage to the bone tissue and to prevent compromising osseointegration, abundant and continuous irrigation with a cool, sterile, irrigating solution is mandatory during all drilling procedures. The application of excessive pressure during preparation of the bone site must be avoided.

Bone surgery utilizes a high-torque electric drilling machine that can be operated in forward and reverse speeds ranging from 0 to 1,500 rpm, depending on surgical case requirements. To ensure a successful implantation, the drills employed in the implant surgery may offer internal irrigation capabilities. Sharp instruments of the highest quality should be utilized during bone-site preparation to reduce possible overheating of bone, thus minimizing trauma during bone penetration. Minimal trauma enhances the success of osseointegration.

The time elapsed between surgical implant placement and final abutment placement is referred to as the healing or osseointegration period. The duration of the osseointegration period is dependent upon the quality of the bone at the specific site. In the mandible, where there is denser, cortical bone, healing requires approximately four months. In the maxilla, six months would be an approximate integration period due to the predominance of spongier, cancellous bone. Healing periods can vary or be modified, depending on the quality of the bone at the implantation site and the surgeon's assessment of the patient's bone density at the time of the surgical procedure.

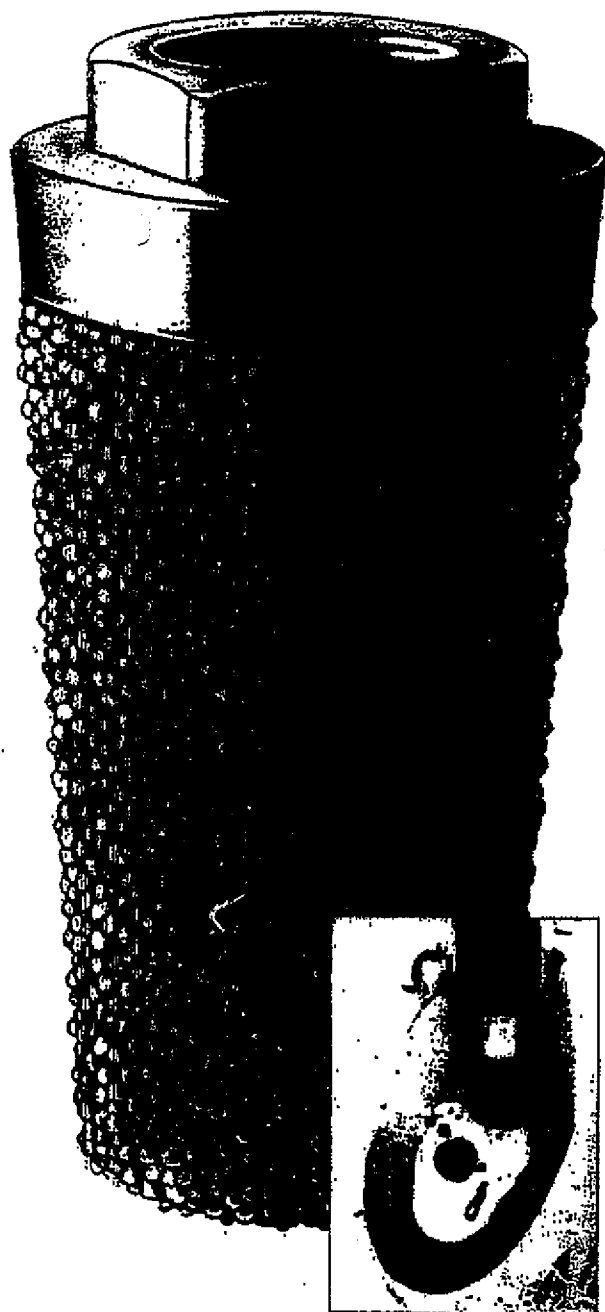
During the osseointegration process, **the implant must remain unloaded**. Extreme care must be taken to avoid pressure on or over the implant during this period. The success of the osseointegrated implant depends on it!

## Exhibit 02

# ENDOPORE<sup>TM</sup>

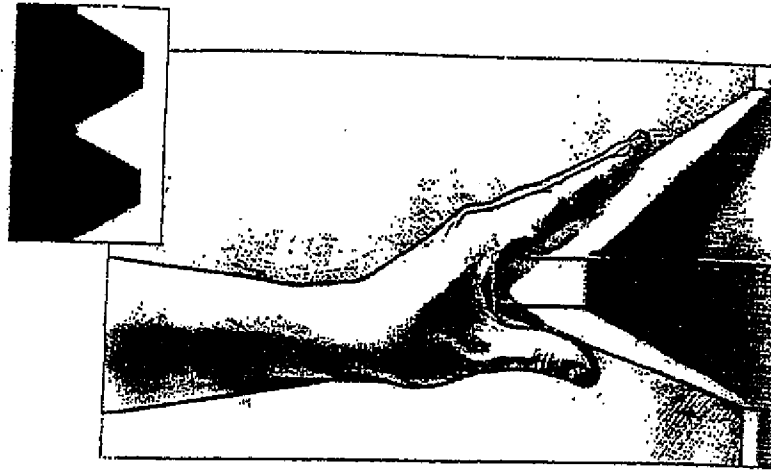
Implant  
System

*...the new generation*



Photomicrograph of lower  
anterior implant in a dog  
showing bone approximation  
to ENDOPORE implant at 18  
months post-function.  
Magnification at 6x.

## Interdigitation



With threaded implants, the fixation which occurs at the bone implant interface can allow for rotational movement of the implant.

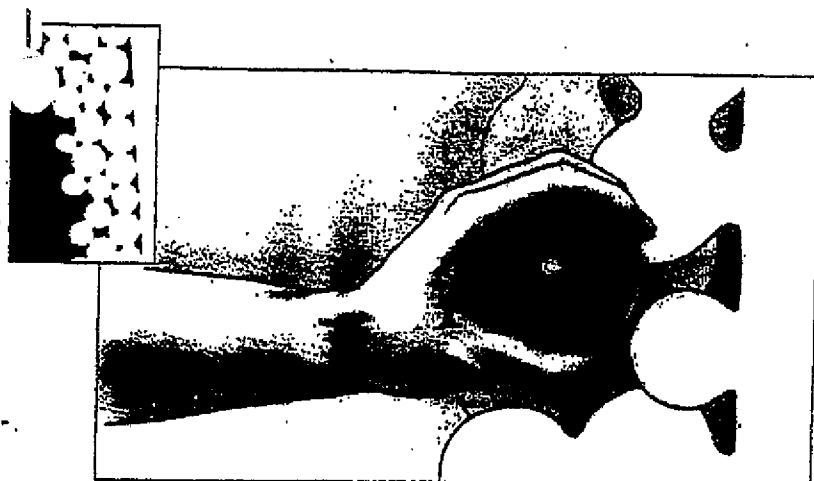
## Increased Surface Area

The multi-layered porous coating on the ENDOPORE implant provides an approximate three-fold increase in surface area compared with a machined threaded implant surface. This results in better implant fixation to bone and a significant reduction in the length of the ENDOPORE implant. A shorter implant may provide the practitioner with an alternative treatment for patients with minimal bone height.

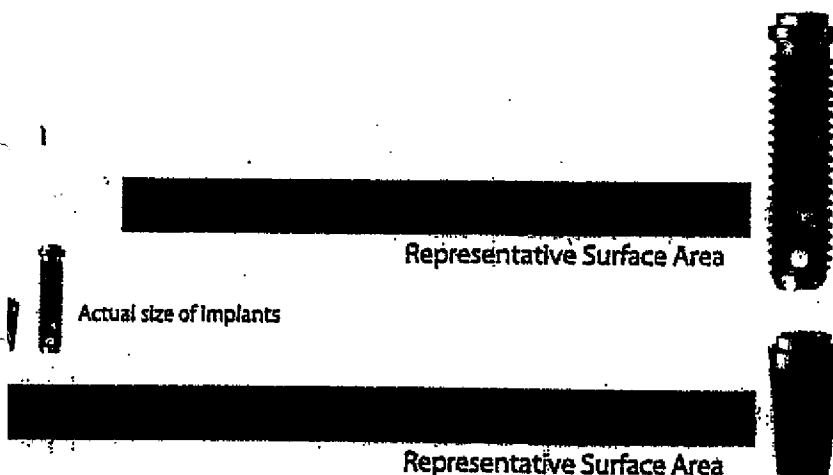
## Optimal Stress Transfer

Mechanical attachment by means of a threaded design results in stress transfer primarily at the apically-oriented thread surfaces. As shown in the photograph, in order to achieve a high degree of stability, bone has had to form next to most of the available threads, thereby involving a major portion of the implant length.

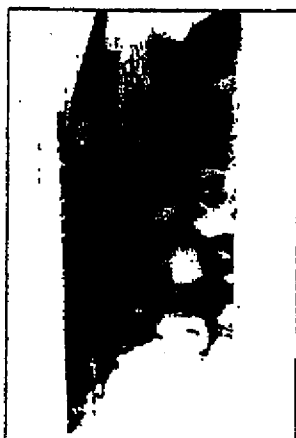




An intimate intertwining of the tissues and implant is possible with the porous coat. The interconnected pores and channels made by the sintering of metal microspheres facilitates this ingrowth. This results in a secure attachment of the implant within bone and a resistance to forces causing vertical, horizontal, and rotational movement.



Because of the high surface area/unit implant length of the ENDOPORE implant combined with the 3-dimensional interconnected nature of the porous coating, sufficient bone formation required to accommodate normal occlusal forces need only occur over the superior half of the porous coat region of the implant. Such observations confirm the more effective load transfer/unit implant length with the ENDOPORE.



## Porous Coated Implants Studied Over 10 Years of Pre-Clinical and Clinical Trials at the University of Toronto



The objective of our research was to develop a simple inexpensive dental implant system that could be placed easily by the majority of dentists without the need for extensive training and an elaborate, expensive armamentarium of instrumentation. Our team coordinator, Dr. Pilliar, had extensive experience in the design and testing of orthopaedic titanium-alloy implants using porous surface geometry to gain implant fixation to bone. We applied the same technology to the design of a dental implant system. The endosseous component has a tapered shape to facilitate implant placement and optimize stress transfer at the bone-implant surface. The porous surface allows implant fixation to the jaw by bone ingrowth into the pores and provides for at least a three-fold increase in surface area compared with a machined threaded implant surface. The greater surface area results in better implant fixation to bone for the ENDOPORE implant.

### Dr. R. Pilliar, Ph.D.

Professor, Dept. of Biomaterials  
Dept. of Metallurgy and Material Sciences, University of Toronto  
Director, Centre for Biomaterials

"Studies in which model endosseous endodontic implants were placed in function shortly after placement, indicated that porous-coated implants developed strong fixation by bone ingrowth in contrast to threaded implants that were observed to progressively loosen with time."

Source: J. Biomed. Mater. Res. 20: 1309-1333, 1986.

### Dr. P. Watson, D.D.S., M.Sc.D.

Professor and Head, Dept. of Biomaterials  
Faculty of Dentistry, University of Toronto

"The relatively short healing time realized by the ENDOPORE Implant System is appreciated by patients. This also reduces the number of appointments required for renewal of soft liners, or other procedures, required to maintain patient comfort during the healing phase."

### Dr. Alfred L. Heller, D.D.S., M.S.

Director of the Midwest Implant Institute, Worthington, Ohio

"The ENDOPORE is easier to implant and to teach when compared to the screw type implants due largely to the ease of preparation of the receptor sites for the ENDOPORE."

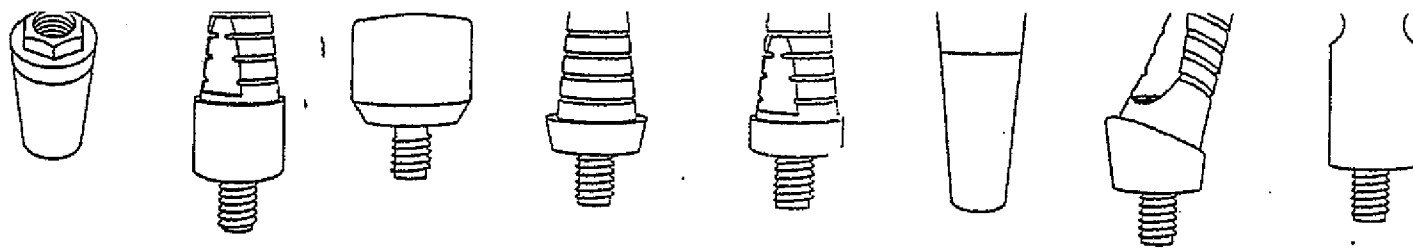
### Dr. D. Deporter, D.D.S., Ph.D.

Professor, Dept. of Periodontics  
Faculty of Dentistry, University of Toronto

"The ENDOPORE dental implant system was designed to provide an implant technique that could be utilized easily, and without an extensive armamentarium. The technique is simple and will provide the patients with a dramatic improvement in function, aesthetics, and quality of life."



**INOVA CORP.**



***The ENDOPORE™ Implant provides many advantages:***

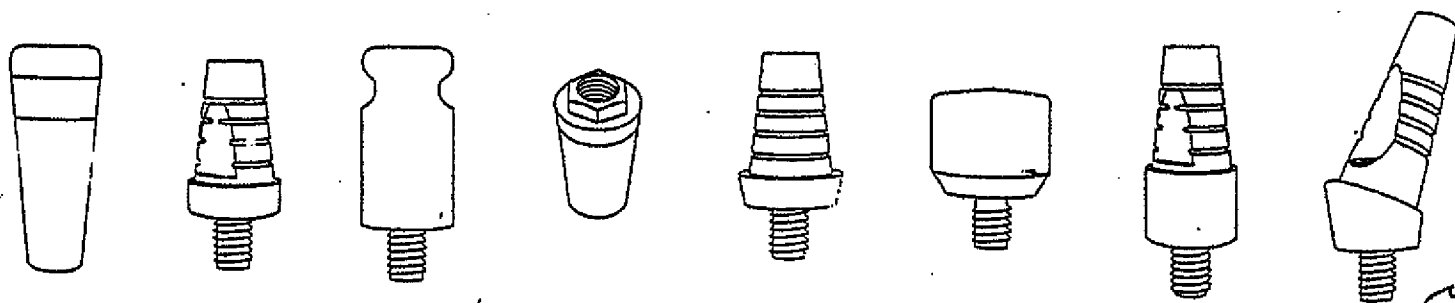
- ◆ Simplified surgical procedure
- ◆ Shorter implants required
- ◆ Reduced operatory time
- ◆ Minimal specialized instrumentation
- ◆ Cost-effective for the practitioner—economical for the patient
- ◆ Suitable for set-up in the office
- ◆ Rapid osseointegration with implant loading within 3 months

Information regarding clinical data, professional publications, instructional material and product availability can be obtained upon request.

**For more information contact:**

**INNOVA CORP.**  
**525 University Ave., Suite 830**  
**Toronto, Ontario**  
**M5G 1X3**  
**Canada**

**Telephone: (416) 340-8818**  
**Facsimile: (416) 340-0415**



## Publications Related to the ENDOPORE™ Porous-coated Implant

1. Pilliar, R.M., Lee, J.M. and Maniopoulos, C. Observations on the effect of movement on bone ingrowth into porous-surfaced implants. *Clin. Orthop. Rel. Res.* 208: 108-113, 1986.
2. Deporter, D.A., Friedland, B., Watson, P.A., Pilliar, R.M., Howley, T.P., Abdulla, D., Melcher, A.H. and Smith, D.C. A clinical and radiographic assessment on a porous-surfaced, titanium-alloy dental implant system in dogs. *J Dent. Res.* 65: 1071-1077, 1986.
3. Deporter, D.A., Watson, P.A., Pilliar, R.M., Melcher, A.H., Winslow, J., Howley, T.P., Hansel, P., Maniopoulos, C., Rodriguez, A., Abdulla, D., Parisien, K. and Smith, D.C. A histological assessment of the initial healing response adjacent to porous-surfaced titanium-alloy dental implants in dogs. *J. Dent. Res.* 65: 1064-1070, 1986.
4. Maniopoulos, C., Pilliar, R.M. and Smith, D.C. Threaded versus porous-surfaced designs for implant stabilization in bone-endodontic implant model. *J. Biomed. Mater. Res.* 20: 1309-1333, 1986.
5. Inoue, T., Cox, J.E., Pilliar, R.M. and Melcher, A.H. Effect on the surface geometry of smooth and porous-coated titanium-alloy on the orientation of fibroblasts in vitro. *J. Biomed. Mater. Res.* 21: 107-126, 1987.
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# ENDOPORE® Dental Implant System

## Summary of Human Clinical Trial Results

### 5 and 6 Years Post Function

This is an update of the clinical trial begun at the Faculty of Dentistry, University of Toronto, in January 1989. In this trial, 52 otherwise healthy, fully edentulous adults (age range 34-69 years) were each treated using three ENDOPORE® dental implants in the anterior mandible and a complete mandibular overdenture. The majority of these patients had jaw types C and D according to the classification of residual jaw shape proposed by Lekholm and Zarb (1985), i.e. they showed advanced alveolar ridge resorption.

The criteria used for assessing implant status include:

1. Mean gingival index on all four aspects (buccal, lingual, mesial, distal) of each implant (Loe and Silness, 1965) was not to exceed 2.
2. Assessment for presence of any mobility using routine manual methods and the Periotest device.
3. Assessment for the presence of pain.
4. Assessment for the presence of any peri-implant radiolucencies in periodic radiographs.
5. Measurement of crestal bone loss on the mesial and distal aspects of each implant in periodic radiographs taken using a precise, standardized technique. The mean bone loss for the group during implant function was not to exceed 1 mm in the first year or 0.2 mm in each subsequent year of function.
6. Pocket depth measurements taken around each implant were to be within the normal periodontal range i.e. about 3 mm.

One hundred and fifty-six implants were placed consecutively in 52 patients. One patient died from unrelated medical problems within the first six months of implant function while another died shortly after two years of function. One patient lost all three implants shortly after re-entry surgery, while two other patients each lost one implant at this time. (The patient who lost all three implants was re-treated successfully and is now in his third year of function although he will remain as a failure for the purpose of this analysis). A fourth patient suffered a traumatic blow to one of her implants shortly after re-entry and this implant slowly became symptomatic and was removed at six months post-function. Thus, after one year of function the success rate was 96.1% (six failures of 153 implants placed). After two years of function one of the patients who had lost one implant at re-entry lost his remaining two implants.

At the time of this report, all the remaining 48 patients have passed five years of function and 26 have passed six years. Only two other implants have been lost giving a five to six year success rate of 93.4%.

With regard to the criteria for assessing implant status:

1. No patients had a gingival index above 2 at any time.



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2. There has been no detectable mobility of any implant using manual methods. The Periotest device provides an objective assessment of implant mobility. According to a recent research project (Teerlinck et al, Int. J. Oral and Maxillofac. Impls. 6:55, 1991.) Periotest values for successful Branemark implants, when used in the anterior mandible to support an overdenture on the 30 patients studied, ranged from -4 to +2, with -4 representing the least mobile. All of the Periotest readings in our patient group fell within the range, -8 to +1 with 96% of the measurements less than -0.5 and a mean value of -4.
3. Two patients experienced pain suggestive of implant failure and the affected implants were subsequently lost, two during year three and two during year six. Both of these patients were medically and/or emotionally compromised during the period prior to implant loss.
4. A peri-implant radiolucency is defined as a radiolucent band which completely encompasses the root portion of the fixture and indicates implant failure. These were detected only about the two implants lost during year three and two lost during year six (see #3 above).
5. The pattern of bone remodeling seen in radiographs appears to be as predicted from our earlier published animal data. Thus the alveolar crest on the majority of implant surfaces remodels to a point in the vicinity of the machined surface-to-porous coat junction, and this appears to take about three years in the human. Bone loss was limited to a mean value of 0.45 mm in year one, 0.17 mm in the one to two year period, and 0.13 mm in the two to three year period. Measurements of bone in the three to four year period showed a mean value increase of 0.05 mm, while loss between four and five years was more or less unchanged at 0.04 mm.
6. Pocket depth measurement is one of the traditional methods for assessing periodontal health of natural teeth. Pocket depth recordings of 5 mm or more are normally taken to indicate possible periodontal disease, i.e. periodontal attachment loss currently or in the past. Numerous investigators, however, have commented that as the attachment apparatus of dental implants is completely different from that of teeth (i.e. bone and epithelium only as opposed to bone, cementum, periodontal ligament, gingival connective tissue and epithelium) and that probing depth measurements are simply not a useful index for assessing the health of a dental implant (Smith and Zarb, J. Prosthet. Dent. 62:567, 1989). The pocket depth, in the view of these investigators, merely reflects the thickness of the mucosal tissues in relation to each aspect of each implant. However, pocket depth readings recorded on our subset of 19 patients with three years of function and all patients at their most recent examination (five and six years post-function) fell well within the range of normality for natural teeth with a mean of approximately 3 mm.

In summary, we can report an overall success rate of 93.4% at five to six years post function. All patients with implants have passed five years of function while 26 patients have passed six years. There are no signs of complications and all remaining implants can be considered successful according to the criteria of assessment being utilized.



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Gebrauchsanweisung: ITI® Dental Implant, zweiteilig  
 Directions for Use: ITI® Dental Implant, two-part  
 Mode d'emploi: Implant dentaire ITI® en deux parties  
 Istruzioni per l'uso: Impianto dentale ITI® a due componenti  
 Instrucciones de uso: Implante dental ITI® de dos piezas  
 Instruções de uso: Implante dental ITI® duas partes

Hersteller/Manufacture/Fabricant/Produttore/Fabricante/Fabricante:

Institut Straumann AG, CH-4437 Waldenau (Switzerland)  
 Telefon +41 (0)61 965 11 11, Telefax +41 (0)61 965 11 01

**New Handling**



ITI® DENTAL IMPLANT SYSTEM

#### Deutsch

#### Warnung

Die nachfolgenden Beschreibungen reichen zur sofortigen Anwendung des ITI® DENTAL IMPLANT SYSTEM nicht aus. Die Einarbeitung in die Handhabung des ITI® DENTAL IMPLANT SYSTEM durch einen darin erfahrenen Operateur wird mit Nachdruck empfohlen. ITI-Dentalimplantate sollten nur durch mit dem System ausgebildete Zahnärzte, Ärzte und Chirurgen angewendet werden. Entsprechende Kurse und Trainings werden durch das ITI und die Institut Straumann AG regelmäßig angeboten.

#### Wichtige Hinweise

##### Sicherheit, Haftung, Garantie

Das ITI-Dentalimplantat ist Teil eines Gesamtkonzeptes und darf nur mit den dazugehörigen Originalkomponenten und Instrumenten gemäß den Anleitungen und Empfehlungen der Institut Straumann AG verwendet werden. Die Verwendung von systemfremden Komponenten Dritter beeinträchtigt die Funktion des ITI® DENTAL IMPLANT SYSTEM und schließt jegliche Garantie- oder Ersatzleistung durch die Institut Straumann AG aus.

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#### 1. Beschreibung und Materialien der ITI-Dentalimplantate

Das ITI® DENTAL IMPLANT SYSTEM beinhaltet einseitige, zweiteilige, transmaxilläre Implantate aus Rein titan Grad 4 mit Titanplasma-spritzbeschichtung (TPS).

#### 2. Indikationen

ITI-Dentalimplantate sind für alle Indikationen oder einseitiger Implantate (in Unter- und Oberkiefer, für funktionelle und ästhetische orale Rehabilitationen von zahnlosen und teilweise zahnlosen Patienten) anwendbar. Die prothetische Versorgung erfolgt mit Einzelkronen, Brücken, Teil- oder Totalprothesen, die durch entsprechende Elemente (Sekundärteile) mit den ITI-Dentalimplantaten verbunden werden. Vorschläge für die spezifische Anwendung der verschiedenen ITI-Dentalimplantattypen und deren Indikationen können den Broschüren entnommen werden, welche Sie bei Ihrer Landesvertretung anfordern können.

##### 2.1 Indikationen für Implantate Ø 3,3 mm

ITI-Vollschraubenimplantate mit Aussendurchmesser 3,3 mm gelten als OPTIONS. Sie sind eine Alternative bei limitierter Kieferknochenbreite von 5-6 mm. Die ITI-Implantate Ø 3,3 mm haben eine geringere mechanische Festigkeit als die ITI-Implantate Ø 4,1 mm. Aus diesem Grund sollen ITI-Vollschraubenimplantate Ø 3,3 mm nur bei Indikationen mit geringen Belastungen verwendet werden.

Als **Fast-track gilt:** Bei ITI-Vollschraubenimplantaten immer den grösstmöglichen Implantatdurchmesser verwenden. Implantate Ø 3,3 mm dürfen nicht für den Einzelzahnersatz im posterioren Bereich verwendet werden.

**Zahnlose Kiefer:** 4 ITI-Vollschraubenimplantate Ø 3,3 mm mit Steg verbinden.  
**Teilbezahnte Kiefer:** Bei fehlenden Konstruktionen mit ITI-Vollschraubenimplantaten Ø 4,1 mm kombinieren und Suprastruktur verblocken.

##### 2.2 Indikationen für Implantate Ø 4,8 mm

ITI-Vollschraubenimplantate mit Aussendurchmesser 4,8 mm sind für alle Indikationen oder einseitiger Implantate (in Unter- und Oberkiefer für funktionelle und ästhetische Rehabilitationen von zahnlosen und/oder teilbezahnten Patienten bei einer Kieferknochenbreite von 7 mm und mehr zu verwenden.

##### 2.3 Indikation für Vollschraubenimplantate mit Versenkentiefe 4,0 mm\*

Aufgrund der reduzierten Oberfläche für die Verankerung im Knochen sind die ITI-Implantate mit Versenkentiefe 4,0 mm ausschliesslich für folgende Indikationen zu verwenden:

Als Ergänzungsimplantat in Verbindung mit längeren Implantaten zur Unterstützung von implantatgetragenen Rekonstruktionen. Als Unterstützungsimplantat für implantatgetragene Stegkonstruktionen bei Totalprothesen im extrem atrophischen Unterkiefer.  
 \* in den USA nicht erhältlich

##### 2.4 Indikationen für Implantate der Linie ESTHETIC PLUS

Die Implantate der Linie ESTHETIC PLUS sind für einen ästhetisch relevanten Bereich konzipiert.

Sie werden ca. 2 mm tiefer gesetzt als beim Standardvorgehen. **Fast-track Implantatlänge = 2,0 mm = Präparationsentiefe.** Die Implantatschulder wird bei ESTHETIC PLUS-Implantaten

Die Institut Straumann AG lehnt jede Verantwortung für restaurierte ITI-Dentalimplantate ab, unabhängig davon, durch wen oder mit welcher Methode restauriert wurde. Ein bereits verwendetes oder unsteriles ITI-Dentalimplantat darf unter keinen Umständen implantiert werden. Bei Beschädigung der Originalverpackung wird der Inhalt von der Institut Straumann AG nicht mehr zurückgenommen.

#### 10. Sterilverpackung

Bei der Entnahme des ITI-Dentalimplantates aus der Sterilverpackung sind die entsprechenden Vorschriften bezüglich Asepsis zu beachten. Die Ampulle darf erst unmittelbar vor der Operation geöffnet werden. Vor dem Einsetzen des ITI-Dentalimplantates sind die Verpackung und die Aussenampulle auf Beschädigungen zu untersuchen. Eine Beschädigung der Ampulle kann dazu führen, dass das Implantat nicht mehr steril ist. Die Bereitstellung eines entsprechenden Ersatzproduktes ist zu empfehlen.

#### 11. Dokumentation und Rückverfolgbarkeit

Die Institut Straumann AG empfiehlt eine lückenlose klinische, radiologische, fotografische und statistische Dokumentation. Jedes ITI-Dentalimplantat ist anhand der Artikel- und Lotnummern rückverfolgbar. Die Klebeetikette auf der Aussenampulle enthält alle entsprechenden Daten zum Aufkleben auf die Patientenakte.

#### 12. Schulung und Training

Das ITI (International Team for Oral Implantology) und die Institut Straumann AG führen regelmässige Kurse und Trainings durch, in denen die Anwendung des ITI-Dentalimplantates intensiv geübt und vermittelt wird.

#### 13. Produktdokumentation

Näheres zu Indikationen und Handhabung des ITI® DENTAL IMPLANT SYSTEM entnehmen Sie bitte unseren Broschüren. Fordern Sie bitte detaillierte Broschüren und Arbeitsanleitungen bei Ihrer jeweiligen Landesvertretung an.

#### 14. Erklärung der Zeichen: siehe Rückseite.

#### English

#### Warning

The descriptions given are insufficient to allow immediate use of the ITI® DENTAL IMPLANT SYSTEM. Guidance in the handling of the ITI® DENTAL IMPLANT SYSTEM by an operator experienced in its use is strongly recommended. ITI implants must only be used by dentists, doctors and surgeons trained in the use of the system. The ITI and Institut Straumann AG hold regular training courses.

#### Important note

##### Disclaimer of liability

The ITI Dental Implant is part of an overall concept and may only be used in conjunction with the associated original components and instruments according to the instructions and recommendations of Institut Straumann AG. Use of products made by third parties in conjunction with the ITI® DENTAL IMPLANT SYSTEM will void any warranty or other obligation, express or implied, of Institut Straumann AG.

The user of ITI products has the duty to determine whether or not any product is suitable for the particular patient and circumstances. Straumann disclaims any liability, express or implied, and shall have no responsibility for any direct, indirect, punitive or other damages, arising out of or in connection with any errors in professional judgment or practices in the use or installation of ITI products. The user is also obliged to study the latest developments of the ITI System and their applications regularly. In cases of doubt, the user has to contact Institut Straumann AG.

We have no control over the processing and application of this product, which are the responsibility of the user. We assume no liability whatsoever for damage arising thereof. When using our products intraorally, always take measures to prevent them being inhaled or ingested.

##### Supply and availability

Not all products are available in all countries.

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 ITI - International Team for Oral Implantology

#### 1. Description of the ITI Dental Implants

The ITI® DENTAL IMPLANT SYSTEM includes endosseous, two-part, transmucosal implants made of commercially pure grade 4 titanium and with a titanium plasma coating (TPS).

#### 2. Indications

ITI implants can be used for all indications requiring oral, endosseous implants for functional, aesthetic rehabilitation of edentulous and partially dentate upper or lower jaws. The restoration may comprise of single crowns, bridges and partial or full dentures connected to the ITI implants via abutments. Suggestions regarding the specific use of the various types of ITI implants and their indications are included in the brochures available from your local representatives.

##### 2.1 Indications for 3.3 mm Ø Implants

ITI solid screw implants with an external diameter of 3.3 mm are considered OPTIONS, for placement in alveolar ridges of limited width (5-6 mm). 3.3 mm diameter ITI implants exhibit lower mechanical strength values than 4.1 mm Ø ITI implants. Therefore, 3.3 mm diameter solid screw implants should only be used for indications involving minimal loading. A rule of thumb states: Always use the ITI solid screw implant with the largest possible diameter. 3.3 mm diameter implants must not be used for single restorations in the posterior region.

**Edentulous jaws:** 4 x 3.3 mm diameter ITI solid screw implants splinted with a bar.  
**Partially dentate jaws:** For fixed restorations, use 3.3 mm diameter implants in conjunction with 4.1 mm diameter ITI solid screw implants and splint the superstructure.

##### 2.2 Indications for 4.8 mm Ø Implants

4.8 mm diameter ITI solid screw implants can be used for all indications requiring oral, endosseous implants for functional, aesthetic rehabilitation of edentulous and partially dentate upper or lower jaws with a width of 7 mm or more.

##### 2.3 Indications for solid screw implants with an insertion depth of 6.0 mm\*

Due to the reduced relative surface area in the bone, solid screw implants with an insertion depth of 6.0 mm are for use with the following indications only:  
 As an additional implant together with longer implants for implant-borne restorations.  
 As an auxiliary implant for implant-borne bars supporting dentures in extremely atrophied mandibles.

\* Not available in the USA

#### 2.4 ESTHETIC PLUS implant indications

ESTHETIC PLUS implants were designed for use in areas where pleasant aesthetics are relevant.

ESTHETIC PLUS implants are placed approximately 2 mm deeper than when using standard techniques. Rule of thumb: Implant length + 2.0 mm = preparation depth. The shoulder of an ESTHETIC PLUS implant is placed subgingivally. When selecting the type of

When removed, asepsis must be maintained. If the implant is damaged, it must not be used.

17. Document  
 Institut Straumann  
 statistical record  
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12. Training  
 The ITI (International  
 Team for Oral  
 Implantology)

13. Product de  
 For more detail  
 please refer to  
 Detailed manual

14. Description

#### Informations

Avertissement  
 Les descriptions  
 du DENTAL IMPLANT  
 ne permettent pas  
 de l'utiliser sans  
 avoir reçu une  
 formation adéquate  
 de la part de  
 l'Institut Straumann AG.

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Dans le cadre de  
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1. Description d  
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2. Indications  
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**Warnung!!!**  
Mängel in der Patientenevaluation, präoperativen Diagnostik und Therapieplanung können einen Implantatverlust verursachen.

**3.1 Selektionskriterien/Indikationen, Analyse von lokalen und systemischen Kontraindikationen**  
«Normale» Wundheilungskapazität, effiziente Mundhygiene/saniertes Restgebiss, abgeschlossenes Körperwachstum, guter allgemeiner Gesundheitszustand, ausreichendes Angebot an gesundem Kieferknochen bzw. Potential für Augmentations-techniken.

#### Abklärung des Lokalbefundes

Anatomie des Kieferkammes, intermaxilläre Beziehungen, CAVE: Taktiss, Qualität und Dicke der Mukosa, Studienmodelle und Bissregistrierung im Artikulator, Röntgenbefund.

#### 3.2 Kontraindikationen

Schwerwiegende internistische Probleme, Knochenstoffwechselstörung, unkontrollierte Blutungsstörungen, unkooperativer/unmotivierter Patient/in, Drogen-, Alkohol- oder Tabakkabusus, Psychosen, länger bestehende therapiereisistente Funktionsstörungen, Xerostomie, reduzierte Immunabwehr und Leukozytendysfunktionen, Erkrankungen mit peridontalem Gebrauch von Steroiden, Titanallergie, unkontrollierbare endokrine Erkrankungen.

#### Relative Kontraindikationen

Vorbestrahlter Knochen, Diabetes mellitus, medikamentöse Antikoagulation/hämorrhagische Diathesen, Bruxismus, parafunktionale Gewohnheiten, ungünstige anatomische Knochenverhältnisse, unkontrollierte Periodontitis, temporomandibuläre Gelenkerkrankungen, behandlungsfähige pathologische Kiefererkrankungen und Mundschleimhautveränderungen, Schwangerschaft, ungenügende Mundhygiene.

#### Lokale Kontraindikationen

Ungenügendes Knochenangebot und inadäquate Knochenqualität, lokale Wurzelreste.

#### 4. Neben- und Wechselwirkungen, Komplikationen bei IT-Dentalimplantaten

Unmittelbar nach der Insertion von Dentalimplantaten sollten Aktivitäten, bei denen der Körper einer hohen physischen Belastung ausgesetzt ist, vermieden werden. Mögliche Komplikationen nach der Insertion von Dentalimplantaten können sein:

#### Vorübergehende Beschwerden

Schmerzen, Schwellungen, Sprachschwierigkeiten und Zahnfleischentzündungen.

#### Länger anhaltende Beschwerden

Chronische Schmerzen in Verbindung mit dem Dentalimplantat, permanente Parästhesie, Dysästhesie, Verlust von Oberkiefer-/Unterkieferkammknochen, lokalisierte oder systemische Infektionen, Oronasal- oder Cronasal fisteln, ungünstig beeinflusste Nachbarzähne, irreversible Schäden an Nachbarzähnen, Implantat-, Kiefer-, Knochen- oder Zahnersatzfrakturen, ästhetische Probleme, Nervenschädigung, Exfoliation, Hyperplasie.

#### 5. Operationstechnik mit IT-Dentalimplantaten

Die schonende Behandlung von Hart- und Weichgewebe ist unbedingt zu beachten, um optimale Bedingungen für das erfolgreiche Einheilen eines IT-Implantates zu schaffen. Das Implantat ist mit äußerster Sorgfalt aufzubereiten. Ein thermisches Trauma behindert oder verhindert das Einheilen eines Dentalimplantates. Deshalb muss die übermäßige Temperaturentwicklung durch folgende Massnahmen so gering wie möglich gehalten werden:

- Beachtung von folgenden Tourenzahlen für Bohrer/Fräser: Ø 2,2 mm: ca. 800 min<sup>-1</sup>, Ø 2,8 mm: ca. 600 min<sup>-1</sup>, Ø 3,5 mm: ca. 500 min<sup>-1</sup>, Ø 4,2 mm: 400 min<sup>-1</sup>.
- Verwendung von scharfen Bohrern und Fräsern (nicht mehr als 10 Anwendungen)
- Intermittierende Bohr- und Fräsechnik
- Reichliche externe/interne Kühlung von Bohrern und Fräsern durch vorgeschaltete (5°C) physiologische, sterile Kochsalzlösung (NaCl) oder Ringerlösung
- Verwendung von Bohrern in aufsteigenden Durchmessern (Ø 2,2/2,8/3,5 mm).

#### Wichtig

Die Primärstabilität nach Insertion des IT-Implantates ist eine unabdingbare Voraussetzung für die erfolgreiche Integration des IT-Implantates.

#### Vorsicht

Es ist zu beachten, dass aufgrund ihrer Funktion und Konstruktion die Pilot-/ Spiral- und Vorbohrer bzw. der Trepannfräser an der Bohrspitze eine apikale Überlänge (max. 0,4 mm) aufweisen, d.h., die Präparationsstiefe des Implantatstiftes entspricht nicht der Versenkstiefe des IT-Dentalimplantates. Dies ist bei der Wahl der Implantatlänge unbedingt zu berücksichtigen (vgl. Röntgenfolie).

#### 6. Einsetzen eines IT-Implantates nach Präparation des Implantarbitrhes

##### 6.1 Handhabung der Sterilkompakte: siehe Rückseite.

##### 6.2 Versorgung der Weichgewebe, Abschluss

Vor dem Wundverschluss wird die passende Verschlusschraube ausgewählt und auf das Implantat aufgeschraubt. Die Wundränder werden mit atraumatischem Nähmaterial dicht vernäht, die Nähte nicht zu straff gespannt. Beidseitig approximal des Implantatstiftes wird je eine Naht gelegt, so dass die Wundränder dem Pfeiler spannungsfrei anliegen.

##### 6.3 Versorgung der IT-Dentalimplantate der Linie ESTHETIC PLUS

Versorgung des IT-Dentalimplantates mit einer 2 mm hohen, labial abgeschrägten Einheilkappe aus Titan. Dazu wird der bukkale Wundrand auf der Einheilkappe reponiert, um die aus ästhetischer Sicht sehr wichtigen Weichgewebe inklusive Papillen exakt repositionieren zu können. Es muss darauf geachtet werden, dass keine Zugbelastung auf den vestibulären Wundrand wirkt, weil es sonst zum Ausreißen der Nähte und damit zum Verlust der Papillen kommen kann.

10 Wochen nach Implantation erfolgt eine Gingivektomie zur Optimierung der Zahnrandschmelzstruktur. Die 2 mm hohe ESTHETIC PLUS-Einheilkappe wird dann durch eine transmukosale Einheilkappe (Wahl je nach Schleimhautdicke und Provisorium) ersetzt.

#### 7. Einheilphase für IT-Implantate

Dauer der Einheilphase: Bei guter Knochenqualität: 3 Monate\*

Bei spongioser Knochenqualität: 4 Monate\*

\*Es besteht kein Unterschied zwischen der Einheilung im Ober-/Unterkiefer

#### Wichtig

Röntgenkontrolle nach 3-4 Monaten, vor Beginn der prothetischen Versorgung. Die provisorische Versorgung ist grundsätzlich so zu gestalten, dass die IT-Dentalimplantate funktional nicht belastet werden.

#### 8. Allgemeine Handhabung, Pflege und Wartung des chirurgischen Instrumentariums

Beachten Sie unsere Broschüre «Pflege und Wartung».

#### 9. Verpackung und Sterilität

Die IT-Dentalimplantate sind steril verpackt. Die intakte Sterilverpackung schützt das gamma-sterilisierte IT-Dentalimplantat vor äußeren Infektionen und gewährleistet bei korrekter Lagerung die Sterilität bis zum Erreichen des Verfalldatums. Nach dem aufgedruckten Verfalldatum (siehe Etikett) darf das IT-Dentalimplantat nicht mehr verwendet werden. Die IT-Dentalimplantate müssen trocken, vor direkter Sonneneinstrahlung geschützt und bei Raumtemperatur in Original-Lagerverpackung aufbewahrt werden.

Deficiencies in patient evaluation, preoperative diagnosis, and treatment planning may cause the implant to fail.

#### 3.1 Selection criteria/Indications

##### Analysis of local and systemic contraindications

«Normal» wound healing capacity, adequate oral hygiene/fully restored residual dentition, fully grown body, good general medical condition, sufficient volume of healthy bone or have the potential for augmentation techniques.

#### Consideration of the local diagnosis

Anatomy of the alveolar ridge, intermaxillary relationship, PLEASE NOTE: deep overbite. Quality and thickness of the mucosa, study models and bite registration, X-ray findings.

#### 3.2 Contraindications

Severe uncontrollable systemic disease, metabolic bone disorders, uncontrolled hemorrhagic diseases, uncooperative/unmotivated patient, drug, alcohol or tobacco abuse, psychiatric diseases, long standing, therapy-resistant functional disturbances, xerostomia, compromised immunoresistance and leukocytic malfunctioning, illnesses requiring periodic administration of steroids, titanium allergy, uncontrollable endocrine diseases.

#### Relative contraindications

Previous bone radiotherapy, diabetes mellitus, medicinal anticoagulation/hemorrhagic diatheses, bruxism, parafunctional habits, complicated anatomical bone conditions, uncontrolled periodontitis, diseases of the temporomandibular joint, pathological diseases of the jaw and mucous membranes which can be treated, pregnancy, inadequate oral hygiene.

#### Local contraindications

Insufficient bone and inadequate bone quality, local root debris.

#### 4. Side-effects, interactions, and complications involving IT dental implants

Activities subjecting the body to increased physical stress should be avoided immediately after placement of dental implants.

Complications associated with dental implants include, but are not limited to:

#### Temporary complaints

Pain, swelling, speech impediments, and gingival infections.

#### Longer-term complaints

Chronic pain related to the dental implant, permanent paresthesia, dyesthesia, loss of bone in the upper/lower ridges, local or systemic infections, oronasal fistulas, oronasal fistulae, adversely affected adjacent teeth, irreversible injury to adjacent teeth, fractured implant, jaw, bone, or restoration, problems with aesthetics, nerve damage, exfoliation, hyperplasia.

#### 5. Surgical technique for IT dental implants

The hard and soft tissues must be treated with care to ensure optimum conditions for the IT implant to heal properly. The implant site must be prepared extremely carefully. Thermal trauma impedes or prevents the dental implant integrating properly. Therefore, excessive heating must be kept to a minimum using the following measures:

- The drills/burs should be used at the following speeds: Ø 2,2 mm: approx. 800 r.p.m., Ø 2,8 mm: approx. 600 r.p.m., Ø 3,5 mm: approx. 500 r.p.m., Ø 4,2 mm: 400 r.p.m.
- Use sharp drills and burs (do not use more than 10 times)
- Drill intermittently
- Cool drills and burs properly with chilled (5°C) physiological, sterile saline solution (NaCl) or Ringer's solution
- Use drills of successively increasing diameters (Ø 2,2/2,8/3,5 mm).

#### Important

Initial, post-placement stability is absolutely essential if an IT implant is to integrate properly.

#### Caution

Please note, due to the functioning and design of the pilot drills, twist drills, pre-drills, and trephines, their tips are longer (up to 0,4 mm) than the apex of the implant, i.e., the depth of the implant site is not the same as the insertion depth of the implant. This must be taken into account when selecting the implant length (refer to X-ray foil).

#### 6. Placing an IT implant once the site has been prepared

##### 6.1 Handling the sterile ampoules: see reverse.

##### 6.2 Conditioning the soft tissue/closure

Before closing the wound, select the appropriate healing cap and screw it onto the implant. Achieve primary closure of the margins of the wound but do not suture them under tension. A suture should be placed on each side of the implant abutment to ensure that the wound margins contact the abutment but are not stressed.

##### 6.3 Conditioning the soft tissue for IT ESTHETIC PLUS Dental implants

Fit the appropriate titanium healing cap to the IT implant. The buccal margin of the wound - including the soft tissue and papillae - should be repositioned exactly over the healing cap as this is extremely important to achieve good aesthetics. Ensure that the vestibular margins of the wound are not subjected to tensile forces as they may tear out the sutures and destroy the papillae.

10 weeks after implantation, a gingivectomy may be carried out to optimize the gingival contours if necessary. The 2 mm high ESTHETIC PLUS healing cap should be replaced with a transmucosal healing cap (depending on the thickness of the mucosa and temporary restoration).

#### 7. Healing period duration for IT implants

Healing period duration: Good quality bone: 3 months\*

Spongy bone: 4 months\*

\*There is no basic difference for IT implants placed in the upper or lower arches.

#### Please note

Radiographic examination after 3-4 months and prior to beginning with the restoration. The temporary restoration must be designed so as to prevent functional loading of the IT implants.

#### 8. General handling, care, and maintenance of the surgical instruments

Please refer to the «Care and Maintenance» manual.

#### 9. Packaging and sterility

IT implants are packaged in a sterile state. When intact, the sterile packaging protects the gamma-sterilized IT dental implant from the external environment and, when stored correctly, ensures that the IT implant remains sterile until the expiry date. The IT implant must not be used after the expiry date printed on the label. IT implants must be stored in a dry place, at room temperature, and in the original storage packaging.

#### Important

Institut Straumann AG takes no responsibility whatsoever for re-sterilized IT implants, regardless of the person responsible for the re-sterilization or the method employed. Under no circumstances must a used or non-sterile IT implant be implanted. If the original packaging is damaged, its contents cannot be returned to Institut Straumann AG.

## The ITI® Straumann SLA Surface

### Summary

ITI® dental implants have used a titanium plasma-sprayed surface since the first ITI® implant was inserted in 1974. Research on surface treatments for titanium identified a SAND-BLASTED LARGE GRIT ACID-ETCHED surface in 1990 which showed promise as a surface for anchoring dental implants in bone.

The properties of the surface were compared with the titanium plasma-sprayed and other surfaces used on dental implants in a series of in vitro and in vivo tests. The SLA surface, patented by Straumann, performed well in cell cultures, in bone histology, and removal torque tests in animals. The advantages in any one test over the titanium plasma-sprayed surface were slight, but the whole set of results taken together suggest that the SLA surface may osseointegrate faster and could further improve the performance of the ITI® dental implants.

First results from clinical trials with a healing time of 6-8 weeks before restoration indicate that these shortened healing times will become standard treatment in the future.

### Introduction

Titanium is the material of choice for endosseous implants because of its biological acceptance in bone. It has a high corrosion resistance and produces no overt adverse hypersensitivity, allergic or immunologic reactions<sup>1</sup>.

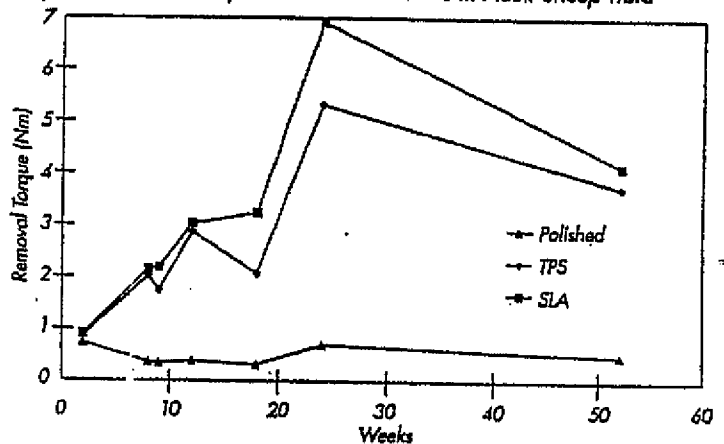
ITI® implants have used the same titanium plasma sprayed-surface, TPS, for the endosteal portion since the first ITI® implant was inserted in 1974. The surface is highly reliable as has been demonstrated in a recently published long-term study on ITI® dental implants<sup>2</sup>.

Despite the success of this surface, the ITI® and Straumann have been working for almost ten years on a new, improved surface treatment for the endosteal portion of the ITI® implant. A surface treatment was developed and tested in vivo in 1990. This experiment provided the first suggestion that this surface could perform as well as or better than the TPS surface<sup>3</sup>. The removal torque of titanium screws implanted in adult sheep tibia was measured as a function of healing time. The results clearly showed that the rough, titanium plasma-sprayed surface and the new surface were more securely osseointegrated than the smooth, polished titanium surface (figure 1).

A histomorphometric study in miniature pigs confirmed that this new surface had promise as a surface treatment for endosseous implants<sup>4</sup>. The surface is a sand-blasted large grit acid-etched surface, which was abbreviated to SLA (the name of the surface) in 1991.

These early experiments on the surface encouraged Straumann to initiate a research programme on the SLA surface. This folder summarizes the results of the relevant ITI® Straumann research.

Fig. 1.: Removal Torque of Titanium Screws in Adult Sheep Tibia



### Research on the SLA surface

#### Surface topography and chemical composition

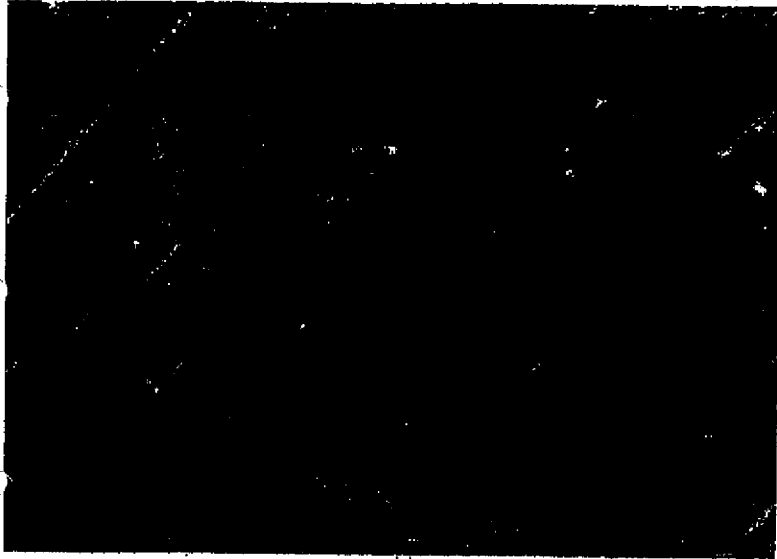
Two kinds of surfaces are commonly used for the endosseous portion of dental implants. These are machined surfaces and the titanium plasma-sprayed surface. Scanning electron microscope (SEM) pictures of these surfaces and the SLA surface are shown in figure 2. The SLA and the TPS surface are clearly very rough compared to the machined surface.

The TPS surface is obtained by thermal spraying of titanium onto the titanium metal implant. The SLA surface is produced by a large grit blasting process which produces a macroroughness on the titanium. This is followed by an acid-etching step which forms the micropits seen in the SEM pictures. The SLA surface is not a coating and does not have the semiporous structure of the TPS surface.

The chemical composition of machined, TPS, and SLA surfaces was found to be titanium oxide using X-ray photoelectron spectroscopy. This method analyses the first few atomic layers of the surface, and thus the chemical composition of the material, which is in direct contact and inter-

Fig. 2.: Scanning Electron Micrographs

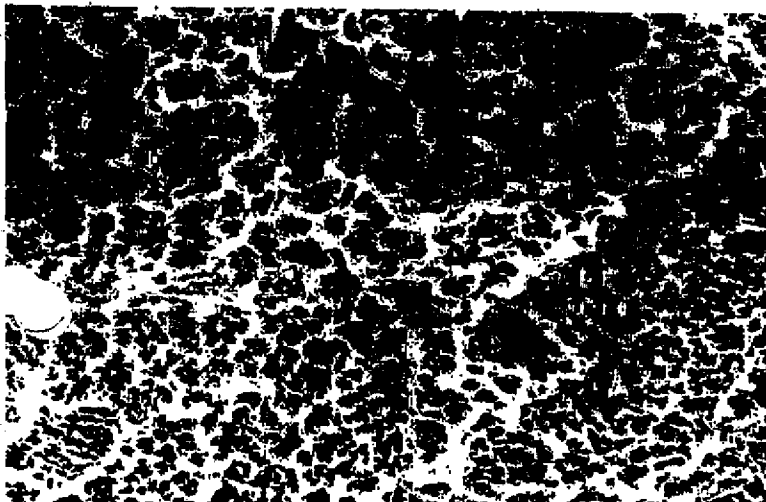
Machined titanium



TPS surface



SLA surface



### Effect of surfaces on cell behaviour

The first reaction between the host and the implant is conditioned by tissue fluids. This produces a layer of macromolecules and water, which influences the behaviour of cells when they encounter the surface. Following these events, a series of cell/surface interactions take place leading to the release of chemotactic and growth factors, which modulate cellular activity in the surrounding tissue. Because the surface chemical composition of all titanium surfaces is almost identical, any differences in cell modulation are most likely to be due to variations in surface topography.

Surface roughness was shown to have an effect on the proliferation, differentiation, and protein synthesis of human osteoblast-like cells<sup>5</sup>. For instance, alkaline phosphatase activity<sup>4</sup> was affected by surface roughness. Alkaline phosphatase is an enzyme indicative of differentiated osteoblasts. Alkaline phosphatase matrix activity was higher on the SLA than on the TPS surface.

Fig. 3.: Effect of Surface Treatment on PGE Production

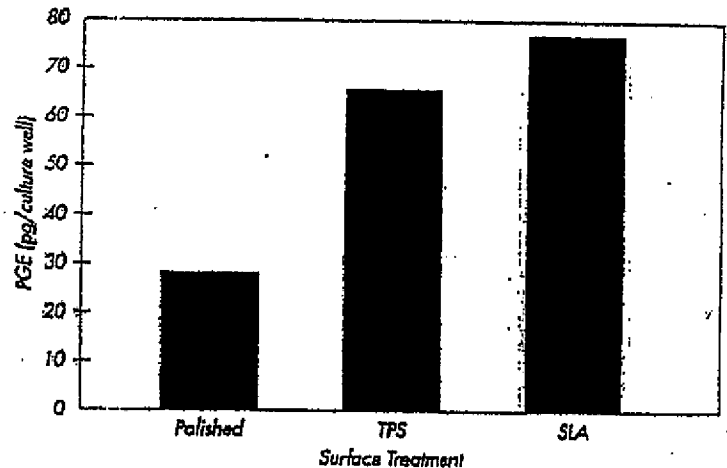
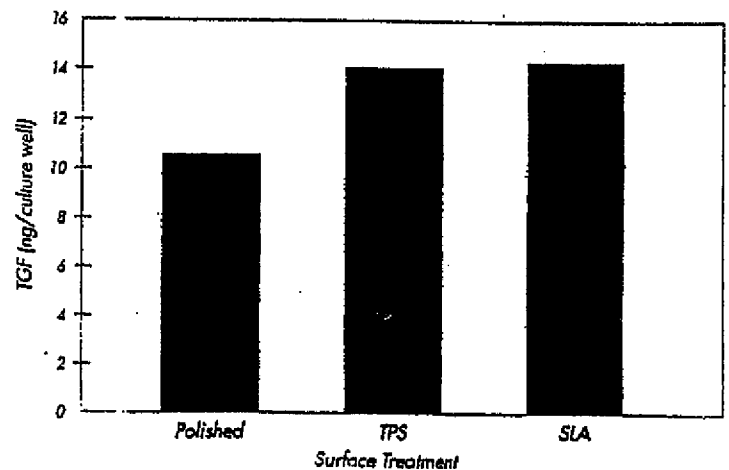


Fig. 4.: Effect of Surface Treatment on TGF-Beta Production



Kieswetter et al.<sup>6</sup> looked at cytokines and growth factors, which could influence the quality, extent, and rate of bone formation at the bone/implant interface. Prostaglandin E<sub>2</sub>, PGE<sub>2</sub>, and transforming growth factor  $\beta$ , TGF- $\beta$ , are two local factors produced by osteoblasts important in promoting wound healing and bone formation. The effect of surface roughness is greater for PGE<sub>2</sub> than for TGF- $\beta$ ; the differences in the measured values between the TPS and the SLA surface were not significant.

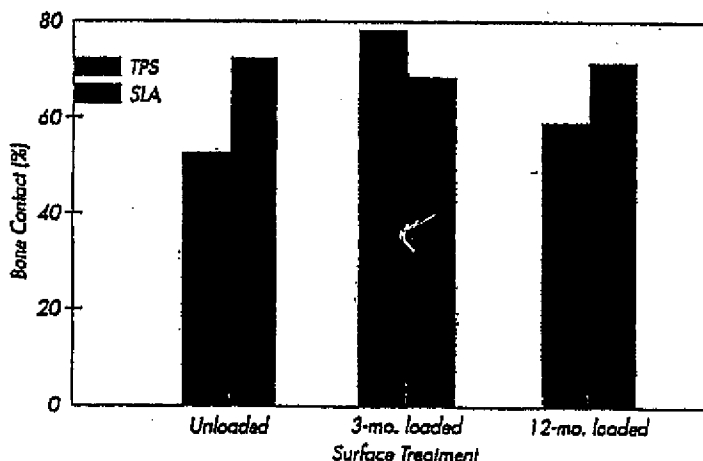
The titanium surface affects the production of osteoblasts by local factors involved in bone formation, which suggests that the autocrine and paracrine parameters produced by cells on the implant surface can be directed by the implant surface chosen. Although the effects of the surface on the production of cytokines, growth factors, and other factors by the cells are not fully understood, it is clear that the surface modulates cell behaviour. This may explain the differences in bone formation observed *in vivo* adjacent to surfaces.

### *In vivo* experience with the SLA surface

The early experience with the SLA surface in sheep tibia suggested that this surface could, in some aspects, be an improvement on the TPS surface. The cell culture studies found differences between the cell response to these two surfaces, and that both these surfaces were much different to smooth surfaces.

Figure 5 shows the results of a histomorphometric study on TPS and SLA surfaces in the canine mandible<sup>7</sup>. The implants were placed in a single-stage procedure, and evaluated after a 3 months healing period, after 3 months healing followed by 3 months loading, and after 12 months loading. The differences were significantly different at the unloaded and the 12 month loading stage. The results confirm the Wilke et al.<sup>3</sup> results, showing high bone contact values for both the surfaces, with the SLA surface again showing a greater implant/bone contact at the shortest time.

Fig. 5.: Implant/Bone Contact in the Canine Mandible



A study on the effect of the surface on removal torque values of unloaded titanium implants placed in the maxilla of miniature pigs investigated the differences between machined, the TPS, and the SLA surface at short healing times. The results presented in figure 6 show that the two rough surfaces were clearly superior to the machined surface; the torque required to screw the implant out of the bone was significantly greater than for the machined surface<sup>8</sup>. The removal torque is a measure of the degree of osseointegration.

In a similar experiment, the removal torques were determined for two acid-etched implants placed in the mandibles of miniature pigs. The implants were a standard 10 mm Implant Innovations Inc. Osseotite<sup>®</sup> dental implant and an implant with a standard 8 mm ITI<sup>®</sup> solid screw thread with a SLA surface. The results are shown in figure 7. The differences between the Osseotite<sup>®</sup> and the ITI<sup>®</sup> SLA implant are significant at all healing times, as is the increase in the removal torque for the ITI<sup>®</sup> implant thread between 4 and 8 weeks<sup>9</sup>.

Fig. 6.: Removal Torque of Implants in the Porcine Maxilla

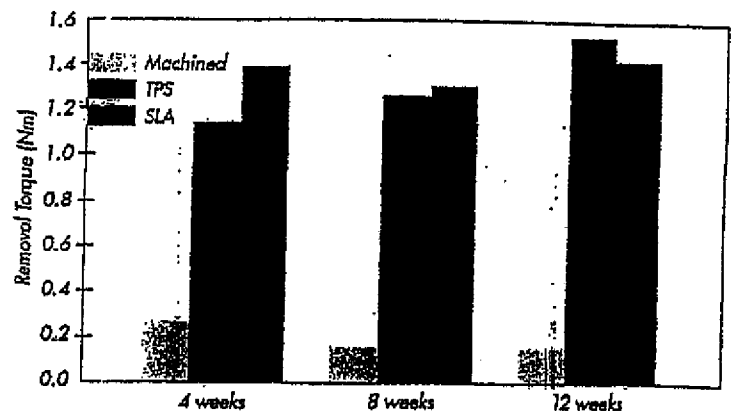
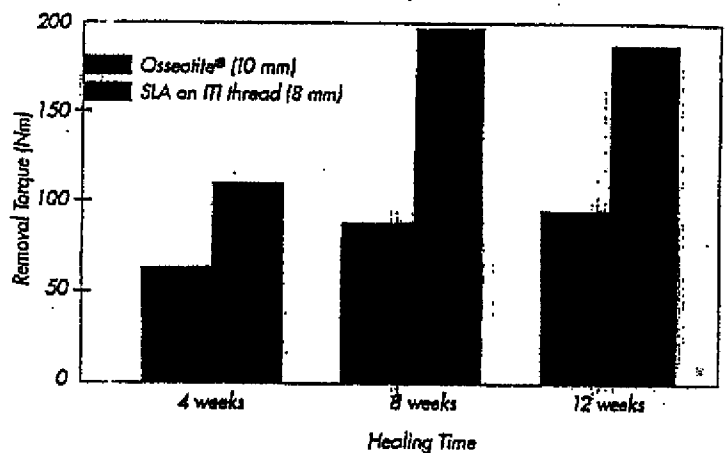
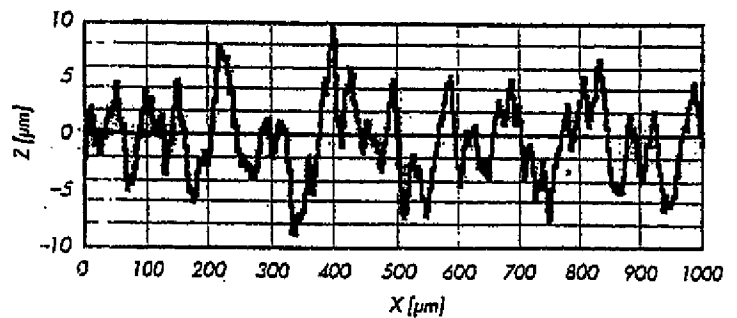


Fig. 7.: Removal Torque of Titanium Implants in the Porcine Maxilla

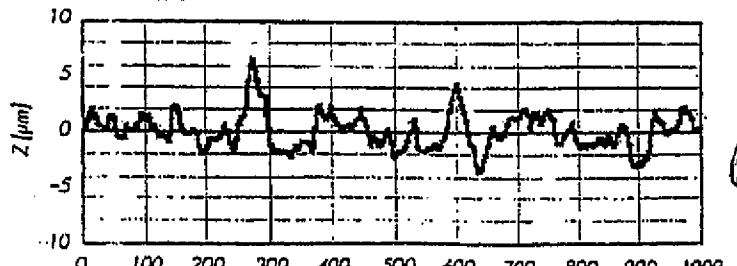


The profilometer traces in figure 8 show the differences in roughness between the SLA surface and the Implant Innovations Inc. Osseotite<sup>®</sup> surface, which may explain the difference in performance of the two implants

Fig. 8: Roughness profiles  
SLA surface



Osseotite<sup>®</sup> surface



## Conclusions

The surface topography of the endosseous dental implant is capable of modifying the response of the cells and bone tissue at the bone/implant interface. The performance of rough surfaces is superior to smooth surfaces with respect to bone contact levels and removal torques. Cell culture studies found that surfaces modify the phenotypic expression of osteoblasts, suggesting that the histological and biomechanical performance may be explained by surface-modulated cellular processes. The SLA surface, throughout all the tests, taking all the tests together, performed better than the other surfaces tested.

The success rate of dental implants is high, success rates in excess of 95% at 5 years have been quoted in the literature for several implant systems; the TPS-surfaced ITI® dental implant has a success rate of 97.3% at 5 years<sup>2</sup>.

The wide range of surfaces capable of achieving these high success rates suggest that the long-term success is due to the titanium itself; all titanium surfaces are chemically identical. An SLA surface can thus be expected to have an excellent long-term prognosis. The most important property of this surface, which is relevant to implant design and use, is its high load-bearing capability, as demonstrated by the removal torque values. This had to be shown to be at least as good as that for the TPS surface in order for the SLA surface to be considered as an alternative. There is also the possibility that osseointegration may proceed faster on this surface, as indicated by the removal torque and histomorphometric studies and suggested by the cell studies, allowing earlier loading of the implant.

## The future

Straumann believes the use of the patented SLA surface<sup>10</sup> on ITI® implants would allow a routine reduction of healing times to 6-8 weeks before loading. A clinical study is currently running to demonstrate this. Although the results to date would support healing times of 6-8 weeks, results of this study are going to be first presented later in 1998 when more data will be available. ITI® SLA surface dental implants will be available later this year in the US, followed by other countries early in 1999. These implants will allow full restorative loading of the implants 6 weeks after implant insertion in suitable cases.

J. Simpson, D. Snéily  
May 1998

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(Submitted for publication 1998).



# Exhibit 04



# SARGON

IMMEDIATE LOAD IMPLANT

SARGON ENTERPRISES, INC.



The SARGON IMMEDIATE LOAD IMPLANT was invented by Dr. Sargon Lazarof, a graduate of the USC School of Dentistry who maintains a full time implant practice in Beverly Hills, California.

After using several types of dental implants (i.e., screw type, cylinder, HA coated), he became concerned with a number of implant-related issues. (1) He observed that, due to lateral forces, cratering occurs around cylindrical implants to a depth of 2 to 3 mm, resulting in a 5 to 6 mm peri-implant pocket. (2) He knew that bone could lose density when not stressed, so he questioned whether he could reasonably expect the growth of new bone, which experiences no stress for 6 months, to be able to withstand the stresses of mastication, especially in the upper posterior regions. (3) Regarding anterior applications he was concerned about not being able to esthetically reestablish the original soft tissue line due to tissue collapse during the 6 month waiting period. (4) He recognized that implant failure could occur when a tissue supported temporary denture causes premature pressure on the implant. (5) He knew that the bone under temporary dentures constantly remodels, resulting in sore spots and the need for repeated office visits for denture adjustment, and he wanted to eliminate these long term patient discomforts.

Dr. Lazarof's search for a solution to these problems resulted in the development of the SARGON IMMEDIATE LOAD IMPLANT. Because it is designed to gain intimate contact with the surrounding bone upon placement (immediate integration) by expanding and locking into the walls of the surgical site, Dr. Lazarof's implant can immediately withstand the load of a temporary or permanent restoration. With a SARGON IMPLANT any competent, properly trained dentist can replace an extracted tooth with an implant and temporary crown in just one visit.

Delivered custom posts and prepared lower arch. Took upper and lower impressions for bite registration.



## Day 8

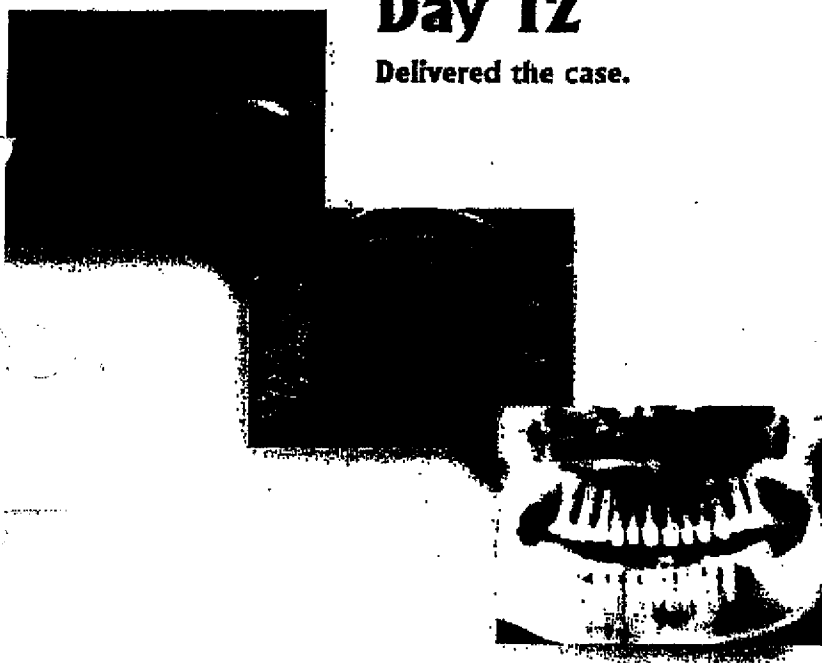
Tried in anterior bisque bake and posterior metal framework.

## Day 10

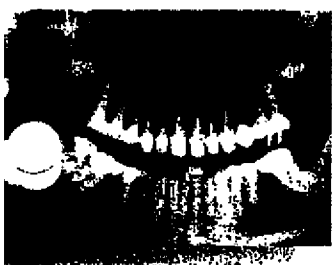
Tried in full mouth bisque bake.

## Day 12

Delivered the case.



Performed post operative checkup two days later.



## 5 Months

Follow-up X-ray.

## The Implant

In order to gain intimate contact of bone to metal, conventional implant procedures require six months of bone growth. The SARGON IMPLANT has been designed with the capacity to expand and lock into the prepared site to achieve that critical degree of contact immediately.

Furthermore, it exerts compressive force against the walls of the surgical site to provide greater implant stability. (Studies show that compressive force causes increased bone formation and decreased bone resorption.\*)

The SARGON IMPLANT has external threads that provide greater surface contact with bone. Because it is not a solid cylinder, the implant also provides an opportune environment for bone growth in and around its internal mechanism. It is constructed of strong, resilient, unbrittle, FDA-approved titanium alloy 6AL4V, which is the ideal material to fulfill the primary design requirement of the SARGON IMPLANT, to be able to distend inside the surgical site and achieve

and maintain intimate contact.

This exceptional implant provides a perfect foundation for crowns,

bridges and dentures — immediately!

\*For more information re: compressive force on bone, see Klein-Nulend, et. al., "Inhibition of Osteoclastic Bone Resorption by Mechanical Stimulation," *Arthritis and Rheumatism*, Vol. 33, No. 1 (January 1990).

# JOURNAL OF ORAL SURGERY AND ORAL MEDICINE

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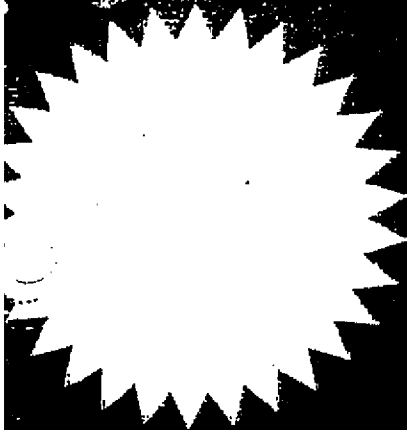
## AIDS PATIENTS and ORAL SURGERY

Exclusive Interview:  
Dr. Joe Camp

Single Tooth Implants  
● Carl Misch

10 States Fail OSHA  
Compliance

Enamel Microabrasion  
and Bleaching  
by Dr. Ted Croll



# Immediate-Load Implant Quickens Integration

Sargon Lazarof, DDS

There have been many speculative and clinical tests performed to determine the time it takes for a titanium core dental implant. The most common implant (remark) takes four months for mandibular integration and six months for a maxillary. Other implants with a hydroxylapatite coating have shorter integration periods, but have never advocated shorter loading periods. In this article, I will attempt to analyze the idea of integration and the time it takes integration to occur. I will also introduce the use of an immediate integrating loading implant.

The most common definition of integration, concerning radiology, is the contact of a titanium surface. There is a bond between bone and titanium, so it would be logical to deduce that the only reason there is for the implant to be mechanical.

When loading an implant, the time for the waiting period (months for mandibular and six months for maxillary) is for the bone to grow and reach the surface of the implant and mechanically integrate the implant into place. What would happen to an implant if it were loaded earlier?

In the early days of radiology, there would be a fibrous, not bony, attachment to the implant. Implants started with various types of screws implanted in the jaw bone loaded immediately. The result was a high rate of failure due to early loading without fibrous attachment. Over time, the bone during preparation also added to the failure of many implants from that era, and are still functioning.

Now, there is a question as to whether a fibrous attachment is desirable. After all, natural teeth are withheld by a fibrous attachment. Currently, dental implants are made of metal. Even if a fibrous attachment is the result, it is satisfactory. Even this fibrous attachment is forming, it was recorded the implant he buried in the bone for four to six

weeks with no pressure on the area so the bone could grow to the surface of the implant within the mechanically designed locking area to interlock the implant. This is the most difficult period for the patient and the restorative dentist, especially on full-mouth cases. It is often neglected to mention this to the patient. As the bone is remodeling and healing under the temporary denture, the patient develops sore spots and constantly needs denture adjustment. Many implant failures have been blamed on this period because

unwanted pressure was exerted. There are limitations in the ability of root form implants to handle lateral forces of occlusion. Doctors often attempt to replace a tri-rooted molar with a single cylindrical root and use it to hold pontics in a fixed-prosthetic situation.

With all the problems mentioned, what would happen if an implant is locked to the bone at the time of placement? Could this implant be loaded immediately? If so, would it integrate with bone and form a bony contact?

Several locking mechanisms

have been designed, manufactured and tested. The most ideal design was spreading the lower part of the implant as blades with internal adjusting mechanism.

Yet, how would titanium metal take the spreading force? How would the surrounding bone react to the pressure exerted by the blades? The goal was to try to contact bone immediately upon placement rather than waiting four to six months for it to reach the implant.

There are two types of implants currently approved by the

FDA for dental use. One is the pure form, and the other is titanium alloy.

Pure titanium is characteristically softer and more flexible than titanium alloy, yet the alloy is much stronger. The pure form was used to construct the body of the implant and the alloy was used for the internal adjusting mechanisms.

Several thicknesses and sizes of implants were manufactured and tested for optimum strength and ease of use. The product was the Sargon Cylindro-Blade (SCB) implant.

The theory behind the implant was achieving immediate fixation to bone. The SCB can be immediately loaded while the bone grows between the blades to fill the internal chamber of the body. Several tests were performed using the implant and various animal bones. Eventually, human cadaver jaws were used.

At the time of placement, the implant's strength was compared with torque-and-pull studies of other implants. The results were zero, at time of placement. I could not obtain force values for removal because the jaw bone fractured before the implant could be removed.

The question then was, how would human bone react to pressure placed on it? If it reacted positively, how much pressure could it take? Could the untouched bone that was located between the blades after expansion retain the implant long enough for integration to take place?

The theory was that even though the bone was resorbed, the bone that was between the blades would hold the implant in place until integration took place. After experiencing the implant in clinical situations, only the compacted bone resorbed. Clinically, I experienced some increase in bone density around the implant due to the pressure on the bone. Bone resorption occurs at lower pressure as in orthodontic tooth movement. High degrees of pressure seem to have the opposite effects.



Fig. 1 - The ridge before treatment.

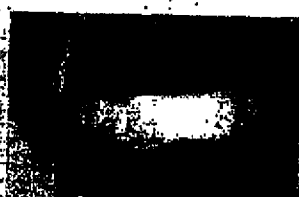


Fig. 2 - Four-unit bridge.



Fig. 3 - Immediate cementation of four-unit bridge.



Fig. 4 - Healed area four weeks later, notice the interdental papilla formation between teeth #24 through #26.



Fig. 5 - First implant placed on #23.



Fig. 6 - Surgical and abutment placement of tooth #25.

LEFT: Fig. 8 - Radiograph of implant in upper posterior region, notice the four-rooted effect.

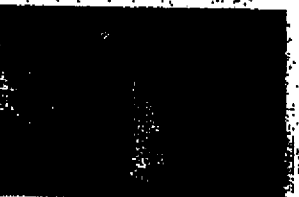


Fig. 9 - Pre-operative radiograph of case 1.



Fig. 7 - The Sargon Cylindro-Blade implant.



Fig. 10 - Tooth #23 implanted.

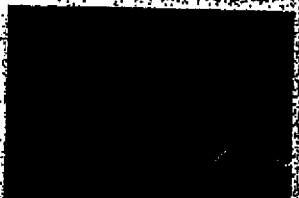


Fig. 11 - Tooth #26 implanted.

mediately after surgery. The result was highly successful. The patient was able to eat Chinese food the same evening.■



Dr. Lazarof maintains a private practice in Beverly Hills, Calif. He received his dental degree from the University of Southern California. Although he invented the Sargon Cylindro-Blade implant, he is currently working on a new system that could have the potential to replace the traditional method of brushing and flossing. Dr. Lazarof can be reached at (213) 552-9440.

use 3

A 34-year-old male patient came into my office with various teeth lost to chronic periodontitis. Teeth #19, #20, #21 had moderate to severe periodontitis and it was determined that with proper maintenance they could be retained for some time.

As for the missing teeth, the treatment plan was to place an experimental SCB implant in the area of #23 and serve the patient for eight weeks.

If everything was OK after eight weeks, another implant could be placed in area #26 for our unit bridge.

The patient was wearing a temporary partial denture to replace missing teeth. He was informed of the experimental nature of the treatment, and after understanding the procedure and the risks involved, he signed proper consent forms. The implant had a thin ridge and it was determined radiographically that the bone in the area was adequate. This meant the blades could not have to be opened to their maximum extent.

Normally, on the anterior portion, specifically the lower anterior, the implant would not extend more than one half of a centimeter to achieve proper anchorage.

Whereas, if the implant is in the posterior region, it would require further expansion of the blades to achieve proper anchorage. This works out as natural dentition does, single-rooted in the anterior area and multi-rooted in the posterior.

An over-the-ridge flap was made and a 13mm SCB implant was placed in area #23. Since the SCB implant is an immediate load implant, it does not have to be fully submerged into bone. Thus, a 13mm implant can act as an 11 or 12mm implant. The upper portion of the implant is highly polished so it can be placed above the level of the bone.

The area was sutured, the implant was screwed on and a temporary crown was fabricated. The patient's partial denture was adjusted and relined to rest on the lingual of the implanted implant. Antibiotics and pain medication were prescribed.

That night, the patient reported that he had not taken the medication and he was getting the tooth without any prob-

lem. The patient was monitored for four weeks. The implant showed similar characteristics. Fully integrated two-implant.

After eight weeks, a second unit was placed in #25 and a unit bridge was fabricated and placed on the implants im-

## Exhibit 05



# Why The World Is Attached To OSSEOTITE...

**OSSEOTITE**  
Lundquist Research

A Clot Retentive Surface

	OSSEOTITE	Control
1997)	3	
Posterior Cases	4	1
Posterior Maxilla	3	
and ICE Implants	14	
ICE Implants	2	
to Support	2	
Maxilla		
OSSEOTITE		
loading	1	
Single		
Short Healing	10	
	44	

OSSEOTITE impla  
tation Pro...  
Overall Performance

79

3i

## Continuing Clinical Research

Global multi-center clinical evaluations with over 2,000 implants under study demonstrates a 98.6% success rate after 12 months post loading. These clinical studies continue to document the benefits of increased Contact Osteogenesis in poor quality bone. Also documented is the ability to use OSSEOTITE implants with early loading protocols.

Study / Objective	# of Study Centers	Patient	Cases	OSSEOTITE Implants	Success Rate After 12 Months Post Loading
Dr. Sullivan & Sherwood (J Prost Dent 1997)	3	75	90	144	98.6%
OSSEOTITE Long-Term Performance in Posterior Cases	4	181	215	490	98.6%
OSSEOTITE Long-Term Performance in Posterior Maxilla and Mandible	3	121	130	497	98.5%
OSSEOTITE Performance Compared with ST and ICE Implants	14	91	112	145	99.6%
OSSEOTITE Performance Compared with ICE Implants in the Same Prosthesis	2	75	98	200	96.5% (OSS) vs. 89.0% (Mach)
Success Rate of OSSEOTITE Implants Used to Support Temporary Prostheses Loaded Immediately	2	7	8	17	94.1%
OSSEOTITE Long-Term Performance in Posterior Maxillary and Mandibular Cases	4	74	98	226	98.6%
Randomized, Prospective Early Loading Study—OSSEOTITE Success in Early Loading Versus Standard Loading	1	19	25	30	100%
OSSEOTITE Success When Used to Support Single Tooth Restorative	1	50	58	58	100%
OSSEOTITE Success in Cases Loaded After a Short Healing Time Compared with Standard Case	10	155	212	429	98.4%
<b>Totals</b>	<b>44</b>	<b>848</b>	<b>1048</b>	<b>2236</b>	<b>98.6%</b>

## Real World Results

As of August 1998, over 100,000 3i OSSEOTITE implants have been placed in patients within the U.S. The 3i U.S. Warranty Program actuarial data, reports a 99.1 % success rate. This success rate includes the overall performance of OSSEOTITE in poor quality bone and all bone types.

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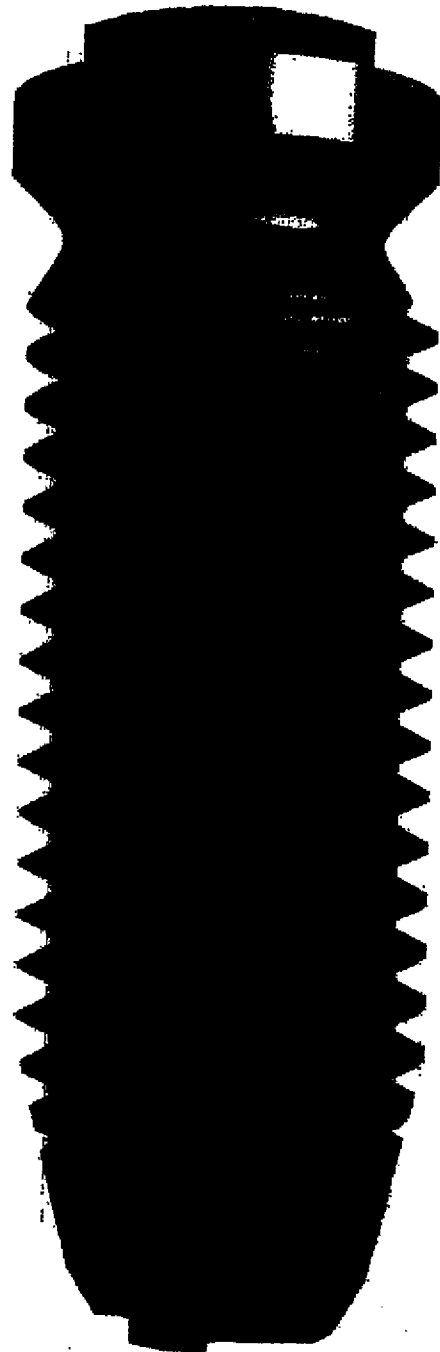
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*Presenting the Science & Clinical Evidence Supporting the*  
**OSSEOTITE® Surface.**



**OSSEOTITE**  
SURFACE

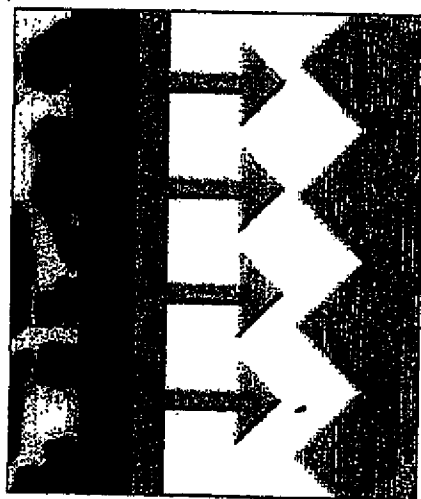
**TC OSSEOTITE**  
SINGLE STAGE IMPLANT

# A Vision Undertaken

Recognizing an important need, 3i launched an aggressive research program in the fall of 1991 with the objective of improving bone response to dental implants. Specifically, this program was aimed to achieve a better understanding of the bone healing process and to use this knowledge to optimize implant surfaces. Improved performance in poor quality bone and possible early loading with the OSSEOTITE implant, are the results of this new understanding.

## The Healing Process Understood

The osteoblast is the primary cell responsible for the production of new bone extracellular matrix. In order to generate bone in direct apposition to an implant surface, osteoblasts and/or their precursors must migrate to the implant surface. The gap between the bone and the implant surface must be bridged. Once an osteotomy is created and the implant is placed, osteogenic cells utilize two different phenomena to approach and/or deposit bone on the implant surface. These phenomena are Distance Osteogenesis and Contact Osteogenesis.



Distance Osteogenesis

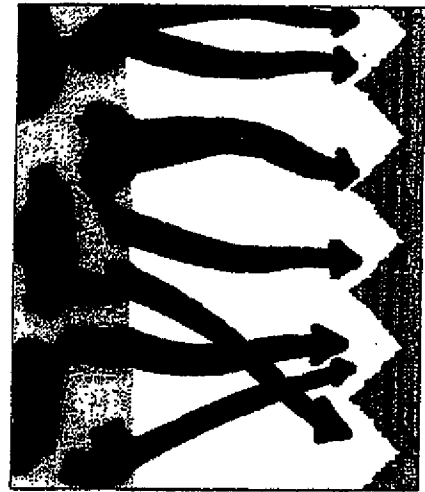
### *Distance Osteogenesis - Slowly Closing the Gap*

In the first phenomenon, Distance Osteogenesis, new bone is formed on the surface of existing bone. This process is repeated until bone encroaches upon the implant. Through this process bone is not formed on the implant, but instead the implant becomes surrounded by bone. When this process is the primary means of bone healing, the implant surface will always be partially separated from bone by trapped connective tissue.

### *Contact Osteogenesis - Bridging the Gap*

In the second phenomenon, Contact Osteogenesis, new bone forms directly on the implant surface. Contact Osteogenesis relies on the migration of osteogenic cells directly to the implant surface. Migration of these cells occurs along the fibrin network formed during blood clot resolution. However, any disruption of this fibrin highway will redirect the osteoblasts away from the implant surface. Hence, the osseoconductive nature of the OSSEOTITE surface stems from its ability to maintain the fibrin or clot highway.

Fibrin, the product of thrombin and fibrinogen released into the healing site, will adhere to almost any implant surface. Retaining this connection however, is another thing altogether. Osteogenic migration causes the fibrin bundle to contract and as the bundle or clot contracts, the bridge to the implant surface may be lost. Thus, the ability of the implant surface to retain the fibrin connection during osteogenic migration is critical for migrating cells to reach the implant surface.



Contact Osteogenesis

Machine Surface



Fibrin Detached

OSSEOTITE Surface



Fibrin Attachment

# A Vision Supported

In developmental research sponsored by 3i, at the University of Toronto Centre for Biomaterials, hollow titanium chambers containing either a machined or blasted and acid etched surface were implanted in rat models. Histological studies demonstrate the phenomenon of Contact Osteogenesis and the importance of clot retention in bone healing.

In the chambers with a machined surface, the clot pulled away from the chamber walls and bone slowly formed down the center of the chamber only. In chambers with the acid etched surface, the clot remained in contact with the surface of the chamber enabling bone to form directly on the surface and fill the chamber completely.



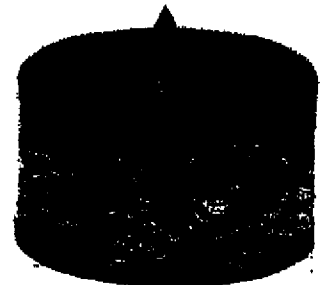
Machine Surface Histology



Blasted & Acid Etched  
Surface Histology

3i does not use the blasted and acid etched surface on implants because of the potential drawbacks created by the embedded blast media contamination, the inability to predictably produce a consistent surface texture, and the possible weakening of the titanium implant structure. As a result, 3i developed a patented two-step acid etch procedure to create the OSSEOTITE surface.

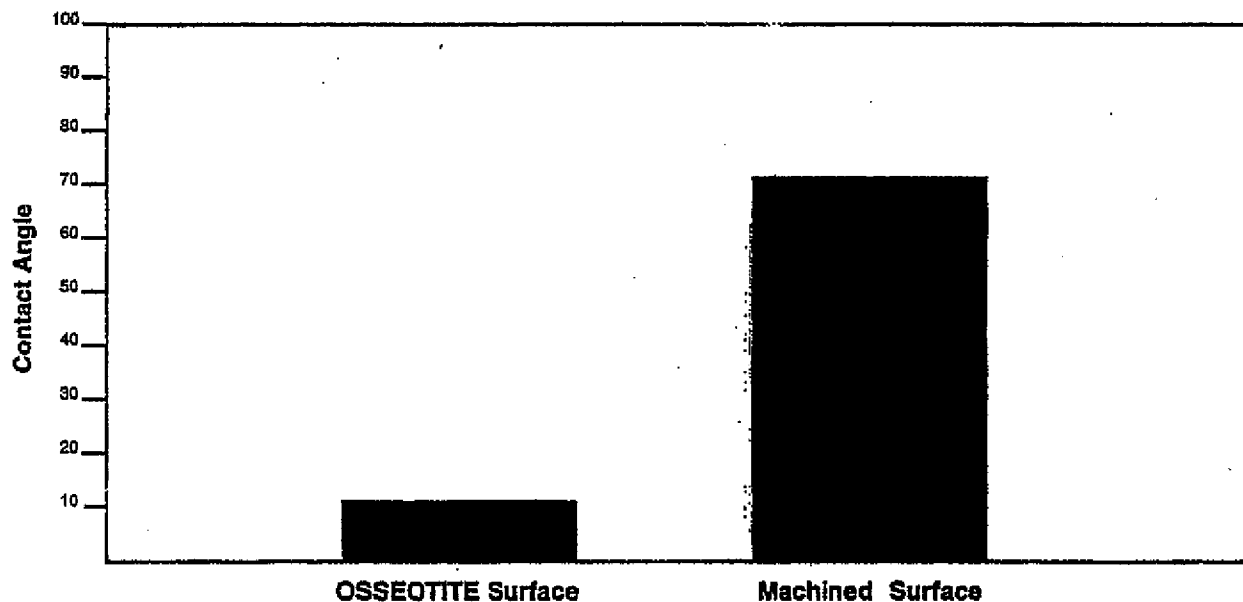
To understand the effect the OSSEOTITE surface had on clot retention, an experiment was conducted comparing the OSSEOTITE surface to a standard machined surface. Fibrin material was placed between the surfaces of two titanium disks, one set with the OSSEOTITE surface and one set with machined surfaces. The complex OSSEOTITE surface consistently demonstrated twice the clot retention of a machined surface. The association between increased clot retention and the improvement in Contact Osteogenesis is reflected in the dramatic results.



*All implants, including those used in reported human clinical trials, have the patented OSSEOTITE surface.*

## Wettability Aids Clot Retention

The clot retentive ability of a surface can be further enhanced by increasing its wettability: a surface is wettable when it promotes complete and even spreading of fluids. On a highly wettable surface, blood and serous fluid will spread to a greater extent, leading to increased fibrin attachment. In the laboratory, wettability is measured by the contact angle formed when water drops are placed on a surface. The lower the contact angle, the higher the wettability of a surface. Contact angle values were measured on both a machined surface and the OSSEOTITE surface. Results demonstrate that the OSSEOTITE surface shows a significant increase in wettability.



Any endosseous healing around a dental implant will involve both Distance and Contact Osteogenesis. The degree of involvement of Contact Osteogenesis is directly related to the surface topography of the implant. The heightened level of Contact Osteogenesis achieved by the OSSEOTITE surface provides an explanation for the overwhelming evidence of accelerated bone healing and extensive bone volume around the OSSEOTITE implant surface.



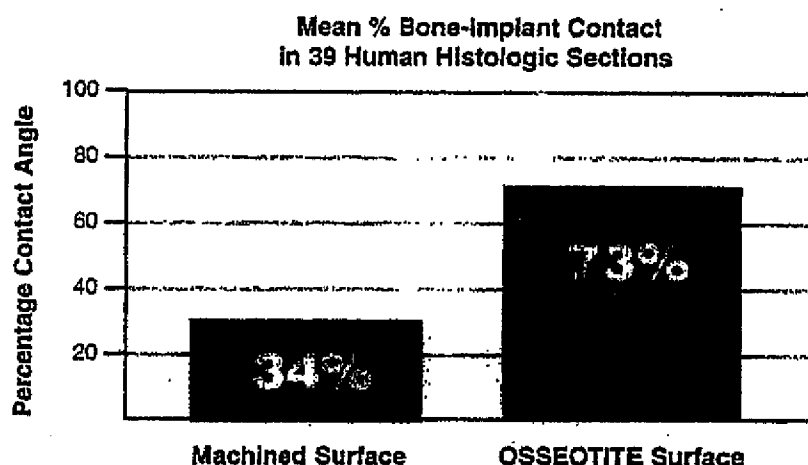
## Removal Torque and Histologic Evidence of Contact Osteogenesis

To further identify the effect of surface topographies on Distance and Contact Osteogenesis, **31** sponsored a study at the University of Pavoda of four different implant surfaces inserted into the tibial metaphysis of twelve rabbits. The four types of surfaces included: a machine surface; a grit blasted surface; a titanium plasma sprayed surface; and the OSSEOTITE surface. After a healing period of five weeks, histomorphometric and removal torque analysis revealed significantly higher bone-to-implant contact and removal torque for the OSSEOTITE surface. Another observation with the OSSEOTITE surface in this study, was the presence of compact bone along the middle and lower threads initially located in cancellous bone. This dense bone can be attributed to an increase in the Contact Osteogenesis phenomenon. With the other three implant surfaces, compact bone contacted the first thread of the implants and failed to reach the lower threads.

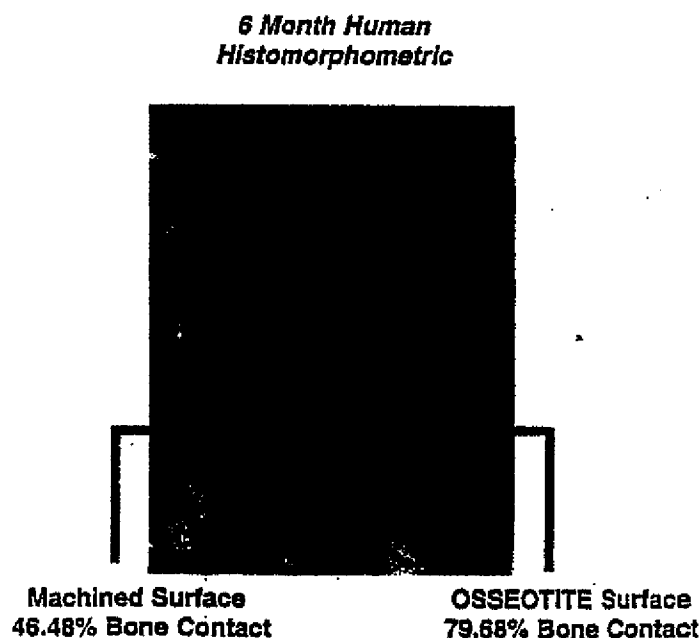


## Human Histomorphometrics Confirm Elevated Contact Osteogenesis

Additional data was gathered on how implant surfaces affect the Distance and Contact Osteogenesis phenomena by a landmark histologic study. The implants were specially prepared small 2mm diameter screws, with one side having an OSSEOTITE surface and the opposite side a machined surface. In eleven patients, the specifically prepared 2mm screws were placed in the posterior maxilla during conventional dental implant surgery and removed after six months healing. The thirty-nine histologic sections prepared showed a mean percent bone contact for OSSEOTITE of 72.96% compared to 33.98% for the machine surface.



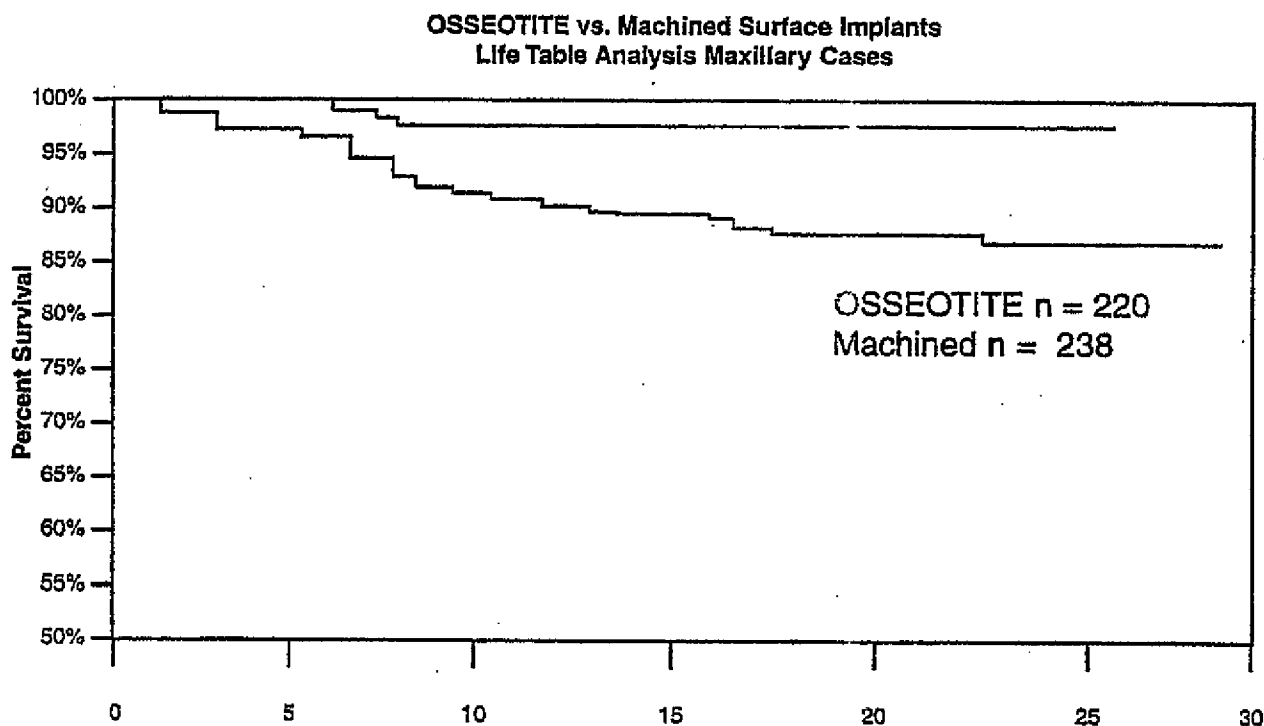
The confluent appearance of bone on the OSSEOTITE surface in areas of the implant surface that appear to have been placed in marrow spaces provided evidence of Osseointegration and Contact Osteogenesis along the implant surface.



## Clinical Results Confirm OSSEOTITE Enhances Performance in Poor Quality Bone

Demonstrating the clinical benefits of increased Contact Osteogenesis with the OSSEOTITE surface, clinical outcomes of 220 OSSEOTITE implants placed in the posterior maxilla were compared to 238 machined surface implants placed in the same regions.

In this study of implants placed in areas known to have poor quality bone, OSSEOTITE implants had an 11% greater survival rate (98.6% OSSEOTITE vs. 87.6% machined implants) than for similar machined surfaced implants at 24 months. The data demonstrates an improvement in the clinical outcomes in poor quality bone, due to the elevated Contact Osteogenesis achieved by the OSSEOTITE surface.



# Exhibit 06

**Removal Torque and Histomorphometric Study of Four  
Different Titanium Surfaces**  
An Experimental Study in the Rabbit Tibia

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**Running Title:** comparative study of four implant Ti surfaces in the rabbit tibia

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# **Removal Torque and Histomorphometric Study of Four Different Titanium Surfaces**

## **An Experimental Study in the Rabbit Tibia**

### **Key Words**

removal torque- histomorphometry- endosseous implants- titanium- surface topography-  
chemical etching- surface texture-

### **Abstract**

The present study compares histomorphometrically and biomechanically bone response to commercially pure titanium screws with 4 different types of surface topographies inserted in the tibial metaphysis of 12 rabbits. Each rabbit had 4 implants inserted, 2 in each tibia. The 4 surface topographies included a machined surface, a grit-blasted surface, a plasma-sprayed surface, and an acid-etched (Osseotite®) surface. After a healing period of 5 weeks, histomorphometric and removal torque data revealed significantly higher percentage bone-to-metal contact and removal torque for acid-etched implants compared to machined, blasted and plasma-sprayed implants. The present study indicates that micro-rough titanium surfaces obtained with acid etching procedures achieve a 33% greater bone-to-metal contact over machined titanium surfaces and provide enhanced mechanical interlocking.

A crucial factor in successful osseointegration of endosseous implants is a favorable interaction between the implant geometry and surface texture and the tissues at the bone site<sup>1</sup>. Various procedures have been tested to improve the anchorage strength and mechanical interlocking of root form dental implants by modifying implant characteristics, especially the implant surface texture such as roughening<sup>2,7</sup>, coating<sup>8,9</sup>, and chemical treatment<sup>10-15</sup>. Recent studies have reported increased mechanical interlocking between bone and the micro-rough surface of sandblasted and acid-etched implants<sup>12,16</sup>. Acid-etching alone has been evaluated by Klokkevold et al.<sup>17</sup> who demonstrated superior resistance to reverse torque removal of Osseotite® surfaces as compared to machined surfaces. The purpose of the present study was to further evaluate bone tissue reactions around acid-etched (Osseotite®) threaded implants inserted in the rabbit tibia using two types of quantitative tests. Bone response was quantified by light microscopic morphometry and anchorage analyzed by measuring the removal torque. The anchorage of acid-etched implants was compared with conventionally machine-produced, grit-blasted, and plasma-sprayed titanium screws.

## Materials and methods

### Animals and Anaesthesia

Twelve adult New Zealand white rabbits weighing 3.5-4 kgs were used in this study. The animals were anesthetized using intramuscular injections of ketamine (Ketalar®, Parke Davis, S.p.A., Italy) 44 mg/kg of body weight, and Xylazine (Rompun®, Bayer AG, Leverkusen, Germany) 6-8 mg/kg of body weight. Prior to surgery, 1.8 mL of lidocaine 2% (Xylocaine®, Astra, Södertälte, Sweden) were injected locally into the surgical sites. Postoperatively, the animals received antibiotics (Penover®, Boeringer, Denmark) at a dose of 0.3 ml per animal and analgesics (Temgesic®, Reckitt and Coleman, Hull, England) at 0.05 mg/kg of body weight

for 3 days and were allowed postsurgical full weight bearing and movement. Five weeks after surgery, the animals were sacrificed using an overdose of carbone dioxide.

### Surface Treatment of Implants

A total of 48 custom made screw-shaped CP titanium implants (3i, Implant Innovations Inc., Palm Beach Gardens, FL, USA) with a length of 4 mm, an outer diameter of 3.75 mm, and a pitch height of 0.5 mm were used in this study. The implants were divided into 4 groups (Fig. 1):

- Group A: twelve implants left as-machined;
- Group B: twelve implants blasted with 10-60  $\mu$ m-sized titanium dioxide particles at a pressure of 70 PSI;
- Group C: twelve implants plasma-sprayed coated using commercially pure titanium;
- Group D: twelve implants acid-etched with a solution of hydrochloric and sulfuric acid (Osseotite®) yielding surface irregularities in the 1-3  $\mu$ m range.

The implants were cleaned, packaged and further sterilized by gamma radiation.

### Surgical Technique and Implant Placement

Prior to surgery, the skin was cleaned with a mixture of iodine and 70% ethanol. The tibial metaphysis was exposed by incisions through the skin, fascia and periosteum. By intermittent drilling using low rotary speed and copious saline irrigation, two holes were drilled 7 mm apart in the central portion of each tibia and sequentially enlarged to 3.2 mm. The implants were gently screwed into place without tapping the sites until the implant shoulder was leveled with the bone surface. All implants penetrated the first cortical layer only, never engaging the opposing cortical side. Each rabbit received 4 implants of different surface topographies (A, B, C, and D) randomly assigned to their implantation sites. Titanium cover screws were



placed on the implants and the fascia and skin closed in separate layers using resorbable sutures.

### Torque Measurements and Histological Preparation of Specimens

Five weeks posturgically, 6 randomly chosen rabbits were anesthetized, the implant sites exposed, the cover screws and the bone and soft tissues that had formed on the top of the implants carefully removed. Subsequently, the necessary force to unscrew the implants ( $n=24$ ) was measured using a torque gauge manometer (Johnichi, Model 6 BTG-N, Tokyo, Japan). The implants were subjected to slowly increasing torque until loosening, and the peak torque value was measured when the rupture occurred between implant and bone.

The remaining 6 animals were sacrificed without subjecting the implants to removal torque and the specimens including implants ( $n=24$ ) and surrounding tissues were washed in saline solution, and fixed in 4% paraformaldehyde and 0.1% glutaraldehyde in 0.15 M cacodylate buffer at 4°C and pH 7.4. The specimens were further dehydrated in ascending concentrations of alcohol rinses and infiltrated with glycolmethacrylate resin (Technovit 7200 VLC, Kulzer & Co, Wehrheim, Germany). After polymerisation, the specimens were sectioned longitudinally at about 100  $\mu\text{m}$  and ground down to a final thickness of about 30  $\mu\text{m}$  (Precise 1 Automated System, Precise, Pescara, Italy) as described by Donath 1988<sup>18</sup>. A total of 2 sections were obtained for each implant and stained with acid fuchsin and toluidine blue. The histomorphometric analysis was performed using a Leitz Laborlux S microscope and the Leitz Microvid equipment (Leitz, Wetzlar, Germany) connected to a personal computer. The percentage bone-to-metal contact around all threads throughout the length of the implant body was calculated using a 10x objective.

# Exhibit 03

## Statistical Analysis

Mean values of bone-to-implant contact and removal torque were calculated and subjected to a 2-factor analysis of variance (ANOVA) to test for significant differences between the four investigated surfaces. The first factor was surface topography and the second the block factor. Statistical testing was carried out at the 5% significance level.

## Results

### Removal Torque Measurements

Five weeks after implant placement, the average removal torque was  $25.28 \pm 3.35$  Ncm for the machined implants,  $26.85 \pm 1.57$  Ncm for the blasted implants,  $29.57 \pm 2.22$  Ncm for the plasma-sprayed implants and  $40.85 \pm 4.14$  Ncm for the acid-etched implants. The removal torque results are summarized in Table 1. The torque measurements yielded statistically significant differences between the acid-etched group and the remaining 3 groups ( $P < 0.05$ ). The highest removal torque corresponded to the acid-etched implants while the lowest was demonstrated by the machined implants. No significant differences in removal torque were found between the plasma-sprayed and grit-blasted surfaces nor between the grit-blasted and machined surfaces. However higher torque was needed to unscrew plasma-sprayed implants compared to the torque needed for the machined implants.

### Histomorphometric Evaluation

Microscopically, all 24 implants were well integrated into bone. The implants were predominantly in contact with cortical bone along the upper threads in the cortical region while the threads in the bone marrow were in contact with either newly formed bone or with normal marrow tissue. A demarcation line was consistently seen between the newly formed bone and

the old bone tissue (Fig. 2). Qualitative histological differences could not be observed between the various surface topographies.

The histomorphometric findings paralleled the removal torque data. A mean percentage bone-to-metal contact of  $48.60 \pm 8.44\%$  was found for the machined surfaces,  $54.80 \pm 10.96\%$  for the blasted surfaces,  $56.80 \pm 10.96\%$  for the plasma-sprayed surfaces, and  $72.40 \pm 9.83\%$  for the acid-etched surfaces (Figs. 3a,3b). The histomorphometric analyses are summarized in Table 2. The analysis of histomorphometric data revealed statistically significant differences to the advantage of the acid-etched group ( $P < 0.05$ ). There were no statistically significant differences in the percentage bone-to-metal contact length fraction between plasma-sprayed and grit-blasted surfaces nor between the grit-blasted and turned surfaces. However the plasma-sprayed surfaces demonstrated a statistically significant higher bone-to-implant contact when compared to the machined surfaces.

## Discussion

The present study showed that acid-etched (Osseotite®) titanium implants achieved a higher degree of bone-to-metal contact compared to machined, blasted, and plasma-sprayed implants. One interesting finding with the acid-etched implants in this study was the presence of compact bone along the middle and lower threads initially located in cancellous bone. In the other 3 groups of surface topographies, compact bone was in contact mainly with the first threads of the implants and failed in most instances to reach the lower threads. These findings correlate with the results of a previous study<sup>19</sup> that reported a mean percentage bone-to-implant contact in cancellous bone of 20% for machined surfaces, 40% for titanium plasma-sprayed implants, and 52-58% for sandblasted and acid-etched implants obtained using similar acids. Furthermore, *in vivo* experiments<sup>20</sup> investigating bone growth into hollow test chambers lined

with acid-etched (Osseotite<sup>®</sup>) and machined surfaces demonstrated that acid-etched surfaces supported more and closer bone growth. At the cellular level, these differences may be explained by the micro-rough topography of acid-etched surfaces that allows bone cells attachment to irregularities smaller than the osteoblasts<sup>21</sup> and bone matrix deposition into the 1-2 micron pores<sup>12</sup> created by the acid etching procedure.

In addition, acid-etched implants yielded higher removal torque values than the 3 remaining surface topographies as the average removal torque of the acid-etched group was 38%, 34%, and 28% higher than the machined, blasted and plasma-sprayed respectively. These results are in agreement with those of Klokkevold et al.<sup>17</sup> who reported that the chemically etched implant surfaces (Osseotite<sup>®</sup>) conferred 4 times greater resistance to reverse torque removal when compared to machined surfaces 2 months post-insertion in the rabbit femur. The mean torque values obtained in the present study are comparable with mean torque values observed for similar healing periods in other studies using threaded implants of similar dimensions in the rabbit tibia<sup>22</sup>, however they are higher than the torque measurements reported by Klokkevold et al.<sup>17</sup> The higher torque resistance demonstrated in this investigation can be attributed to differences in implant size and structural differences at the bone implantation sites. The greater removal torque values achieved with the acid-etched group may be related primarily to the higher bone-to-metal contact. A positive correlation between the degree of bone in contact with the implant and the removal torque has been reported by Johansson & Albrektsson in 1987<sup>23</sup>. When considering that all 4 surface topographies studied in this investigation had similar degree of bone-to-metal contact at the first threads (unreported data), it may be suggested that the higher removal torque measurements seen with the acid-etched implants could be related to the increased degree of bone contact with the implant surface in the area of cancellous bone. Another factor could be related to the surface roughness of acid-etched implants. Several studies have reported that

rough implant surfaces of various surface roughness generally demonstrate increased bone apposition and better bone anchorage when compared to polished surfaces<sup>3,5,24,25</sup>. In this study, no significant differences were evidenced between grit-blasted and machined surfaces as to bone-to-implant contact and removal torque values. The differences between our observations and those previously reported may be attributed to differences in length of the follow-up periods as well as the size of the implant surface irregularities. Wennenberg et al.<sup>6,7</sup> reported that fine (25 $\mu$ m) particle blasting yielded a surface that was more resistant to reverse torque removal than surfaces that were left as machined, medium (75  $\mu$ m) particle or coarse (250  $\mu$ m) particle blasted. The present investigation demonstrated significantly better bone anchorage with the acid-etched group when compared to the grit-blasted, plasma-sprayed and as-machined group. Clearly, the size of surface irregularities is an important biomechanical factor that partly dictates the strength of the bone-metal interface, however other criteria such as the pattern, size distribution and numerical area density of the surface peaks may significantly affect the mechanical interlocking at the bone-implant interface<sup>17</sup>. Within the limits of this study, it may be stated that the overall pattern of micropores created with acid-etching procedures result in superior resistance to removal torque and improved mechanical interlocking.

These abovementioned findings could be applied to justify the use of acid-etched implants (Osseotite<sup>®</sup>) in situations with severe alveolar bone resorption and/or poor bone quality where it is often difficult to obtain adequate amount of implant anchorage to support fixed prosthetic reconstructions. Another clinical relevance of acid-etched implants could be their early prosthetic loading in the post-insertion healing period. Sennerby et al.<sup>22</sup> demonstrated a time-dependent increase bone-to-metal contact in the rabbit model. Since bone-to-metal contact achieved with acid-etched surfaces averaged 72.40% at 5 weeks with a corresponding figure of 48.60% for machined surfaces at the same evaluation period, it may be

speculated that the acid-etched implants yield 50% of bone-to-metal contact, a figure similar to that of the turned surfaces, earlier in the postoperative healing period. Further evaluation in clinical and experimental studies is however needed to assess the load-bearing capacity of the woven bone formed at the interface of acid-etched implants if prosthetically loaded early in the post-insertion healing period.

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Rabbit no.	Machined	Osteonite®	Grit-Blasted	Plasma-Sprayed
1	40%	66%	45%	43%
2	45%	68%	61%	60%
3	51%	64%	50%	55%
4	45%	76%	47%	53%
5	62%	88%	71%	73%
Mean	48.60%	72.40%	54.80%	56.80%
SD	8.44	9.83	10.96%	10.96
Range	40-62%	64-88%	47-71%	43-73%

Table 2. Percentage bone-to-implant contact five weeks following implant insertion.

Rabbit no	Machined	Chemically etched	Grit-Blasted	Plasma-Sprayed
21	21	35	26	25
30	30	40	29	30
27	27	38	25	32
23	23	45	28	29
22	22	42	25	30
28	28	39	27	31
26	26	47	28	30
Mean	25.28	40.85	26.85	29.57
SD	3.35	4.14	1.57	2.22
Range	21-30	35-47	25-29	25-32

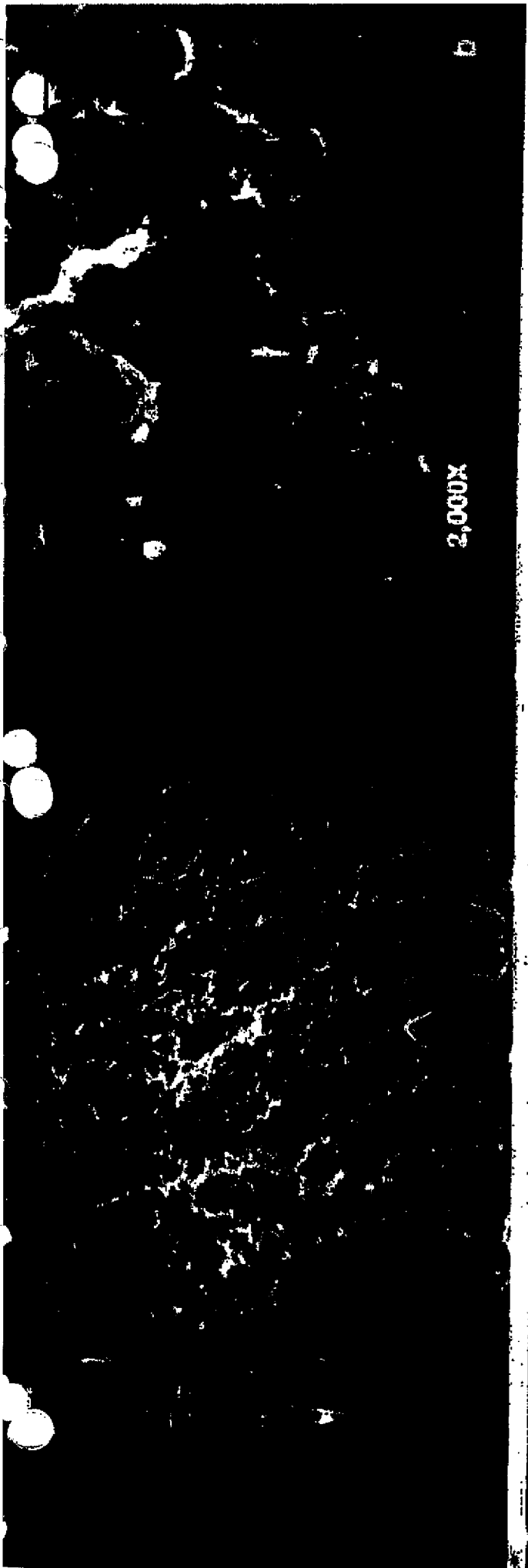
Table 1. Removal torque measured in N/cm five weeks following implant placement.

## FIGURE LEGENDS

**Fig. 1.** Photomicrographs of scanning electron microscopy of the 4 different surface topographies: machined surface (a) reveals the standard horizontal machining lines and relatively smooth surface; the grit-blasted surface (b) is rougher than the machined surface but has an irregular pattern; the plasma-sprayed titanium surface (c) shows a globular appearance with relatively flat surfaces mixed with deeper clefts; and the Osseotite® surface (d) has a uniform micro-roughness with small openings on the surface.

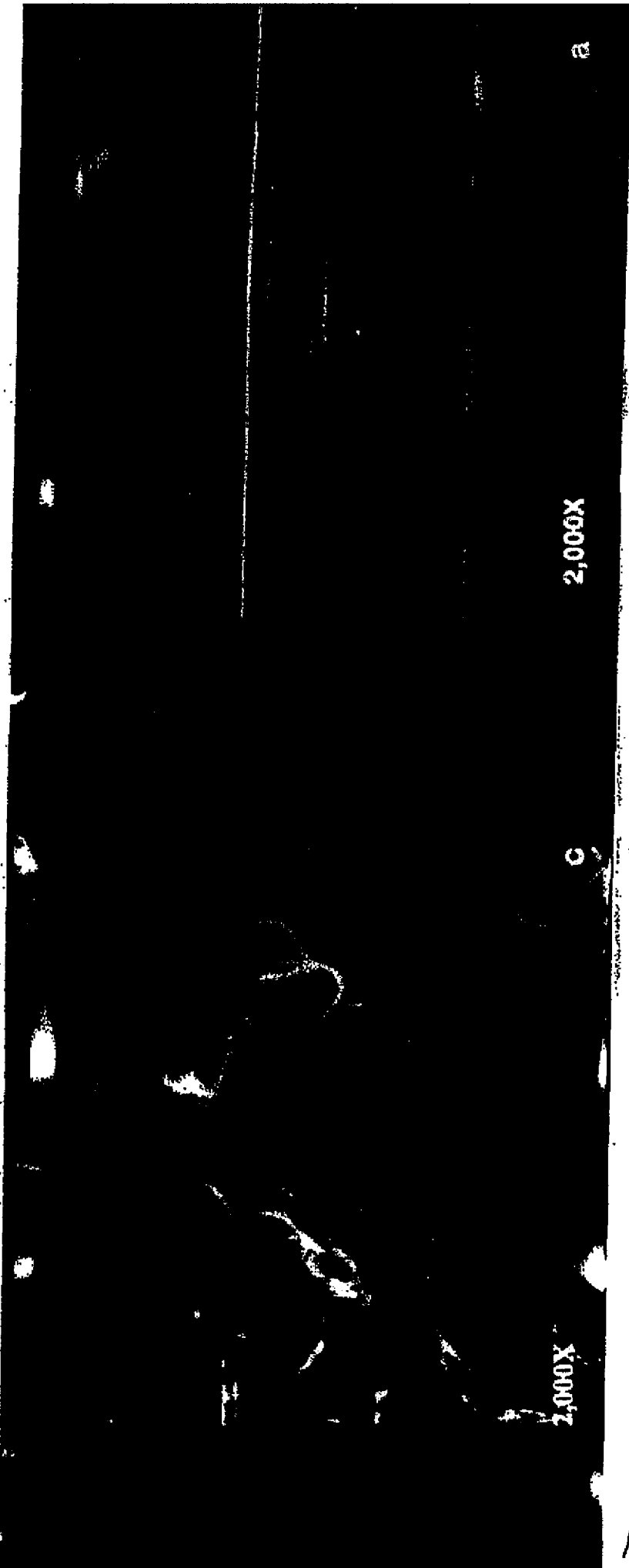
**Fig. 2.** Thirty micron ground section of an acid-etched implant 5 weeks following placement in the rabbit tibia. A clear demarcation line is evident between the old (pale purple) and newly formed bone (dark purple). Bone-to-metal contact can be observed along the middle and lower threads of the implant (acid fuchsin and toluidine blue, original microscope magnification 2.5x).

**Figs. 3a and 3b.** Thirty micron ground sections of a plasma-sprayed implant (*left*) and an acid-etched implant (*right*) after 5 weeks of implantation in the rabbit tibia. Note bone in the middle threads of the acid-etched implant while only the first two threads of the plasma-sprayed implant are occupied by bone (acid fuchsin and toluidine blue, original microscope magnification 6x).



2,000X

b



2,000X

a

RECHART 600000000  
12 11 100





# Exhibit 07

## INTRODUCTION

Surface modifications of metals used for endosseous implants are believed to play an important role in orchestrating the bone response in the peri-implant healing bed. Indeed, surface topography has been demonstrated to influence biological response, since rougher surfaces promote more bone contact (1,2), and thus more shear strength (3), than smooth ones. We recently determined, by comparing the bone response to electroetched and implant surfaces exhibiting a three-dimensional interconnecting porosity, that the mechanism of osteoconduction relies on the anchorage of an initial proteinaceous network to the implant surface (4). We also hypothesized that irregular surfaces with some anchorage capacity would have a similar, but less pronounced, positive effect on the phenomenon of osteoconduction.

The purpose of the work reported herein, was therefore to compare the osteoconductive ability of three candidate implant surfaces which exhibited different degrees of roughness, but with no three-dimensional interconnecting porosity. The experiments were undertaken using a modified design of a cancellous bone healing chamber model which we have previously described (4).

## MATERIALS and METHODS

Fifteen "T" shaped bone ingrowth chambers were fabricated according to the model developed by our group (4). The chambers have a single channel with a volume of  $3 \times 3 \times 1 \text{ mm}^3$ , and all 4 inner chamber walls allow surface modifications that may influence the pattern of bone ingrowth during healing. The chamber materials were (A) machined commercially pure titanium (cpTi), (B) machined titanium/nitium alloy (Ti13/13) (conventional machining techniques on a Miyano milling machine) and (C) titanium grit-blasted and  $\text{HCl}/\text{H}_2\text{SO}_4$  acid-etched cpTi.

All chambers were cleaned by triplicate washes in both Decon and double-distilled  $\text{H}_2\text{O}$  and sterilized by 2.5 Mrads  $^{60}\text{Co}$   $\gamma$ -irradiation. 12 chambers were implanted in the distal metaphyses of both femora of six 350 g male Wistar rats through a lateral cortical window. Implants were oriented with the channel parallel to the longitudinal axis of the femur.

Implants were left in place for 9 days and X-ray examination of retrieved femora were used to observe the position of the implants. Samples were dehydrated and embedded in polymethylmethacrylate (PMMA). Histological sections were cut and observed by light (LM) and backscattered electron (BSEI) microscopy. Enlarged backscattered images of the histological sections were used to measure the length of bone intersecting 7 different levels traced at a fixed distance from the implant chamber wall (first level at the inner chamber wall surface and subsequent ones  $30 \mu\text{m}$  apart). The data from bone index measurements were analyzed statistically by ANOVA and *t*-test.

## RESULTS

All animals healed uneventfully and bone grew inside all 12 implants. Generally, little bone grew in contact with chamber walls of any type examined, although visually it

was obvious that where bone contacted a chamber wall, the wall surface was rougher than those areas where no bone contact was evident. The rough areas in type C allowed anchorage of the healing tissue and bone was observed closer to the rough C implant surfaces than to the smooth A and B. Furthermore, the profile of the ingrowing bone was influenced by the chamber walls. Indeed, the advancing front of histologically identifiable bone was approximately perpendicular to the plane of the chamber walls in C, whereas in A and B, which had smoother walls, the advancing bone front was conical with the apex directed toward the centre of the chamber.

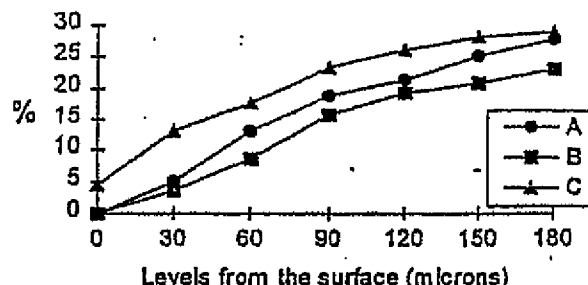


Figure 1. Percentage of bone intersecting levels parallel to the chamber wall on each quadrant.

Figure 1 shows that more bone was found in contact, and within  $60 \mu\text{m}$  of the chamber walls of C when compared to A and B. Statistical analyses demonstrated that the differences in bone ingrowth length between rough C and smoother A and B were significant (*p* values  $< 0.01$  on the first three levels).

## DISCUSSION and CONCLUSIONS

This study demonstrated statistically significant differences in osteoconduction on acid-etched cpTi with respect to smooth cpTi and Ti13/13. These differences were due to the increased topographical complexity of C with respect to the other two materials, rather than differences in surface chemistry, as judged by the resolution of the methods employed. However, these implant samples did not show the degree of osteoconduction previously observed with porous-coated chambers (4).

The results obtained provide clear evidence that the *in vivo* method employed can generate information of direct relevance to the capacity of candidate endosseous implant materials to conduct bone growth along its surface.

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# Exhibit 08

Implant Innovations Inc., Technical Report

September 5, 1998

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## THE OSSEOTITE DENTAL IMPLANT SYSTEM ADMINISTERED WITH AN ABBREVIATED HEALING PHASE.

### BACKGROUND

The process of establishing bone-implant contact, often referred to as *osseointegration*, is characterized by immobility of the root-form dental implant, lack of radiolucency around the implant, and the absence of soft tissue between bone and the major portion of the implant surface on histological examination. Pioneering work by Brånemark led to the establishment of procedures and conventional standards for placement of dental implants. Specifically, promoted a threaded, commercially pure titanium implant with a two-stage implant placement technique that required a specific time for the healing period between implant placement surgery and uncovering (Stage II) surgery (Brånemark, 1985). All surgical procedures were to be performed using an atraumatic sterile technique and careful drilling with irrigation to control thermal injury to the local tissues. During the healing period no masticatory forces were to be placed on the implant. This healing period is usually three months for mandibular sites or locations with denser bone and six months for maxillary sites or where mostly softer trabecular bone is found.

### IMPLANT HEALING PERIOD

The physiological processes of wound healing occurring after the surgical placement of a dental implant are consistent with the repair mechanisms of any wound. The *implant healing period* specifically refers to the period of time after implant placement until the insertion or attachment of a load-bearing prosthesis. During the healing period generation of new bone is formed in direct apposition to the implant surface. This new bone growth is essential for the implant's early fixation and its long-term performance in supporting a prosthesis. Following the traditional implantation technique advocated by Brånemark, a specific effort is made to prevent masticatory forces from affecting the newly placed implant by submerging it using a two-stage protocol. This protection was considered essential as any micro-movement of the implant during the healing phase would allegedly interfere with and compromise osseointegration. According to the Brånemark's protocol, four months healing should be provided for mandibular implants and six months healing time for maxillary cases (referred to in this report as the standard 4 / 6 month healing period) prior to implant loading. Implant placement protocols in the 1970s and 1980s followed this protocol and it became a de facto standard.

## TWO-STAGE VERSUS SINGLE STAGE PROTOCOLS

The standard two-stage implantation technique was therefore empirically established. Nevertheless, recent testing of alternative techniques has provided insight into the healing process. Ericsson et al. (1994, 1997) reported 18 month and 5-year data on Brånemark implants placed according to either a one or two-stage protocol in the anterior mandible. Results in terms of implant stability, clinical parameters, and radiographic bone levels were similar between the two groups. Alternative implant designs with accompanying placement protocols have explored techniques and approaches that challenge the standard two-stage Brånemark recommendations. The results of using a single-stage implant placement technique were described by Buser et al., (1990). Success rates for those single stage implants (Buser et al., 1991, 1998) appear to be equivalent to those placed using the standard Brånemark protocol.

## THE EFFECTS OF IMPLANT SURFACE INNOVATIONS

With the advent of implant surface innovations bone contact with the various implant surfaces was tested in a variety of animal models, both with histomorphometry and force testing. Most surface innovations have dealt with attempts to roughen the implant surfaces in an attempt to increase the quantity, quality, and possibly the rapidity of bone bonding to the implant surface. As a result, implant surfaces have been blasted with various sized particles, plasma-sprayed, or acid-etched, and sometimes treated with a combination of these methods. Varying levels of osseointegration, measured by the percentage area of direct bone-to-implant contact, have been demonstrated by many studies to be highly correlated to the degree of implant surface roughness (Albrektson 1981, 1988, Gotfredsoen 1992). Increased surface roughness enhances mechanical interlocking between the implant surface and the bone, which results in increased resistance to compression, tension, and shear stress (Wilke 1990). Surface roughness, correlated with a higher surface energy, also stimulates faster and stronger osseointegration as a result of a firmer adaptation of the host tissue biomolecules to the implant surface (Buser, 1991b).

Buser et al., (1991b), also evaluated hollow cylinder implants with six different surfaces in the metaphyses of the tibia and femur of mini pigs. While direct bone-implant contact was observed for all implants, significant advantages regarding percentage of bone-implant contact were found for implants which had been blasted with grit particles and acid-etched with a combination of hydrochloric and sulfuric acids, second only to hydroxyapatite-coated surfaces. Based on their results, the authors concluded that the extent of bone-implant interface is positively associated with an increasing fine roughness of the implant surface.

To test the strength of the interfacial strength of an acid roughened surface without the potential contamination of blasting, Klokkevold et al. (1997) placed implants etched by HCl and H<sub>2</sub>SO<sub>4</sub> in the distal femurs of ten adult rabbits as a comparison with similar shaped as-machined implants. After two months of healing, resistance to torque removal was found to be four times greater for the acid-etched implants as compared with the as-machined implants ( $20.50 \pm 6.59$  Ncm and  $4.95 \pm 1.61$  Ncm respectively). Another torque analysis study by Wilke, et al. (1990), where implants were placed into sheep tibiae, also showed that stronger osseointegration can be achieved by a secondary level of surface roughness enhancement. In this study, it was demonstrated that a fine-roughness level, achieved by pitting the titanium blasted surface with a chemical reaction through the use of hydrochloric and sulfuric acids, produced the best results.

These studies suggest that by manipulating implant surface roughness, it is possible to influence the rate and extent of osseointegration of titanium implants. This may occur by enhancing mechanical interlocking between the biomolecules of the host tissue and the surface oxide layer of the implant to increase resistance to functional stress (Thomas et al., 1987). If the rate of osseointegration can be enhanced by favorably altering the implant surface roughness, then perhaps implants can be prosthetically loaded at earlier time periods.

#### EARLY OCCLUSAL LOADING

The risks of early occlusal loading are those normally associated with attaining initial implant stability which is a function of surgical technique by the implantologist, the healing capacity of the osteotomy site, and the rate and extent of bone formation in direct apposition to the implant surface. The primary reason for considering a shorter healing period is to reduce the overall time the patient must wait until having restoration of their missing dentition. Subjecting the patient to less time for wearing a temporary prosthesis, which is often uncomfortable and sometimes detrimental to neighboring teeth, relates to improved patient satisfaction.

Several smaller human clinical studies have supported the feasibility of loading implants sooner than the conventional healing periods originally recommended by Brånemark. Schnittman (1996) loaded 25 Brånemark mandibular fixtures immediately and observed that four of those failed over an observation time of up to 9 years. Salama et al., (1996) followed bilateral mandibular implants splinted and loaded with fixed acrylic restorations 4-7 days after placement, and found no failures or differences in clinical or radiographic parameters from similar conventionally-managed implants 12-15 months after loading. Balshi and Wolfinger (1997) found an 80% success rate of 40 immediately



loaded implants supporting a full arch completely edentulous mandibular prosthesis with a 100% prosthetic success rate. Piatelli et al., (1997) examined the percentage bone contact of two immediately loaded titanium plasma-sprayed implants, which were removed for other reasons than failure of osseointegration, and found approximately 60-70% bone contact after 8 and 9 months of occlusal loading. Piatelli et al., (1997) also conducted an experimental study of 24 titanium plasma-sprayed implants loaded 15 days following placement in monkeys and found that after a loading period of 8 months there was approximately 67% bone contact computed histomorphometrically in the maxilla and 80% in the mandible. Loaded implants were surrounded by bone with a more compact appearance than unloaded controls. Other authors have discussed favorable bony changes around implants attributed to the response to occlusal forces (Carter and Giori, 1991).

#### OSSEOTITE CLINICAL DATA SUPPORTING EARLY LOADING

Several on-going 3i clinical trials focus on implant performance in challenging environments, including placement in areas with poor bone quality and when used in cases with early loading. Interim results from three Osseotite studies have recently been analyzed to consider data that addresses the performance of implants when used in an abbreviated healing / early loading cases. Clinical Study 9703 is an on-going study evaluating Osseotite implants for their ability to support prostheses after an abbreviated healing period. This multicenter study uses a single stage implant protocol with a two month healing period. The results of Study 9703 are compared with results from two other Osseotite studies (Study 9601 and 9606) to determine if the shorter healing period affects implant outcomes. Clinical studies 9601 and 9606 are included here to provide reference data as prospective, multicenter studies of Osseotite implants and prosthetic components, both studies having two-stage implant placement protocol in which four months healing are allowed for mandibular implants and six months healing time allowed for maxillary cases (standard 4 / 6 month healing) prior to implant loading. Other than for the single stage protocol (Study 9703) and duration of healing, these studies are similar in design.

#### **Standard vs. Early Loading - Clinical Outcomes**

Considering interim results from the three studies: all have completed enrollment, implant placement surgeries, prosthetic loading procedures, and the first follow-up evaluation after loading. The baseline variables for all three studies are similar with no appreciable differences in the distribution of cases in the posterior or anterior regions of the mandible and maxilla. The elapsed times for implant healing and loading are listed for all cases from 3i studies #9601 and #9606 in Table 1.

Table 1 Healing times and loading times for all Osseotite implants,

	1	2	3	4	5
	Stage I to Stage II (healing time)	Stage II to Loading	Stage I to loading (loading time)	Implant loading to last follow-up evaluation (August 1998) Mean $\pm$ SD	Implant placement to last follow-up evaluation (August 1998) Mean $\pm$ SD
	Mean $\pm$ SD	Mean $\pm$ SD	Mean $\pm$ SD		
Study 9601 n = 480	6.1 $\pm$ 2.6	3.9 $\pm$ 3.1	10.1 $\pm$ 3.5	14.5 $\pm$ 6.2	24.1 $\pm$ 6.5
Study 9606 n = 228	6.2 $\pm$ 1.9	2.3 $\pm$ 1.3	8.5 $\pm$ 2.2	12.6 $\pm$ 2.5	19.4 $\pm$ 5.6
Study 9703 n = 429	na	na	2.1 $\pm$ 0.5	4.1 $\pm$ 2.2	6.1 $\pm$ 2.3

The healing times (elapsed time from Stage I to Stage II surgery) for implants in Study 9601 and 9606 are about 6 months. The mean elapsed time between Stage II and loading are between 2 and four months. Loading times (the elapsed time between implant placement and prosthesis attachment) are between eight and ten months for these two study groups. Implants in Study 9703 were placed using a single stage procedure and therefore do not have Stage II associated elapsed times. The elapsed times between implant placement and loading (loading time) are different for the implants in Study 9703 compared with the other two Osseotites study groups. For the 9703 cases, only a two month interval transpires between implant placement surgery and prosthesis loading. Despite this four fold reduction in loading time, the implants in Study 9703 performed in a manner similar to Osseotite implants in Study 9601 & 9606. Implant performance data for Studies 9601, 9606, and 9703 are summarized in Table 2.

**Table 2 - Clinical Study Summaries**

	9601	9606	9703
<b>Study Title</b>	AN OBSERVATIONAL, HISTORICALLY-CONTROLLED STUDY OF 3/S ACID ETCHED DENTAL IMPLANT SYSTEM	AN OBSERVATIONAL, HISTORICALLY-CONTROLLED STUDY OF 3/S ACID ETCHED DENTAL IMPLANT SYSTEM	A prospective study of 3/s Osseotite dental implant system for early loading of single tooth restorations and short-span bridges cases
<b>Date of Initiation</b>	January 1996	March 1996	July 1997
<b>Investigators</b>	Lorne Wiseman Montreal Spencer Woolfe Dublin Stephen Porter WPalm Beach Tiziano Testori Milan ITALY	Nicolas Boitel Zurich, SW Thomas Meier Zurich Claude Andreoni Zurich Ueli Grander Zurich Thomas Gaberzuel Zurich Konrad Meyenberg Zurich Marco Imoberdorf Zurich	Sylvan Feldman Lutherville, MD Tiziano Testori Milan ITALY Giampaolo Vincenzi Verona ITALY Dan Sullivan Washington D.C. Steve Porter West Palm Beach, FL Eduardo Antuna Vitoria-Gasteiz SPAIN Jorge Galante Mar del Plata, Argentina Renato Roset, Jr. Sao Paulo BRAZIL Lars Zetterqvist Gofte Sweden
<b>Implant placement protocol</b>	Two Stage, 4 months healing for mandibular implants and with 6 months healing time for maxillary cases	Two Stage, 4 months healing for mandibular implants and with 6 months healing time for maxillary cases	Single Stage protocol with two months of healing for all implants regardless of site of placement
<b>patients</b>	181	74	155
<b>cases</b>	215	98	212
<b>implants</b>	490	222	429
<b>total failures</b>	6	3	7

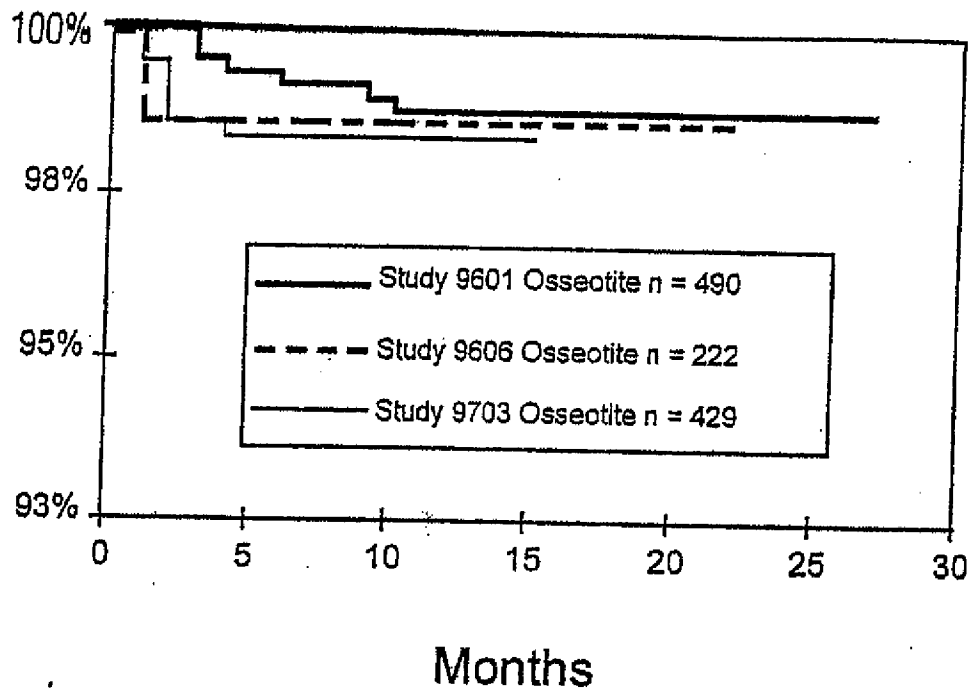
Among the Osseotites with standard loading times, six of 490 failed in Study 9601, three of 222 failed in Study 9606, and seven of 429 failed in Study 9703. The occurrence of these failures is analyzed using life table analysis and is represented in Figure 1. Implant failures are described and tallied by reason of failure in Table 3.

**Table 3 - Failure Summary**

Summary Numbers					Reasons for Failure		
Study No.	Total No. of Patients	Total No. of Implants	No. of Failed Implants	Failure Rate	Mobility	Infection	Pain
9601	181	490	6	1.2%	5	1	0
9606	74	222	3	1.3%	1	2	0
9703	155	429	7	1.6%	5	2	0

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**Figure 1 - Implant Survival Distribution**



A log rank comparison of the 9703 data with either the data from study 9601 or 9606 shows no significant differences. Nonparametric rank tests were used to determine the significance of the differences among the implant performance rates from the Study 9703's early loading implants with implants from either Study 9601 or 9606. By the Breslow-Gehan-Wilcoxon test, the p value is 0.16, greater than the 0.05 value commonly used to declare significance.

#### Study 9703 - Prosthetic considerations

The protocol for all three studies calls for 32 Ncm force to be used in attaching the final abutment to the implant at prosthesis insertion (loading). In Study 9703 two implants that were assessed as immobile during digital manipulation were observed to rotate during prosthesis insertion. These implants were allowed to re-integrate and were found immobile at the 6 month follow-up evaluation. Investigators were directed to stabilize the implant during this procedure to avoid additional incidence of implant rotation. No other events were reported during prosthesis loading that would indicate an early loading effect to the implant healing process.

#### **CONCLUSIONS**

These data demonstrate an equivalence in outcomes of Osseotite implants when used after a standard healing period (4 months for mandibular cases and 6 months for maxillary cases) and when loaded after an healing period of only 2 months.

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### Osseotite 429 From Study 9703

Interval (months)	#Implants at Risk At Start	# Failed Implants	Duration	Death / Lost	Interval Success	Cumulative Success
0 - 1	429	2	0	0	99.53%	100.00%
1 - 2	427	4	0	2	99.06%	99.53%
2 - 3	421	1	0	1	99.76%	98.60%
3 - 4	419	0	57	3	100.00%	98.36%
4 - 5	359	0	37	3	100.00%	98.36%
5 - 6	319	0	95	0	100.00%	98.36%
6 - 7	224	0	77	2	100.00%	98.36%
7 - 8	145	0	47	0	100.00%	98.36%
8 - 9	98	0	24	0	100.00%	98.36%
9 - 10	74	0	41	1	100.00%	98.36%
10 - 11	32	0	11	0	100.00%	98.36%
11 - 12	21	0	14	0	100.00%	98.36%
12 - 13	7	0	2	0	100.00%	98.36%
13 - 14	5	0	3	0	100.00%	98.36%
14 - 15	2	0	2	0	100.00%	98.36%
15 - 16	0	0	0	0		98.36%
TOTALS	429	7	410	12		

### Osseotite Data from Study 9606

Interval (months)	#Implants at Risk At Start	# Failed Implants	Duration	Death / Lost	Interval Success	Cumulative Success
0 - 1	226	3	0	10	98.64%	100.00%
1 - 2	213	0	0	0	100.00%	98.64%
2 - 3	213	0	0	0	100.00%	98.64%
3 - 4	213	0	0	0	100.00%	98.64%
4 - 5	213	0	0	2	100.00%	98.64%
5 - 6	211	0	0	0	100.00%	98.64%
6 - 7	211	0	0	0	100.00%	98.64%
7 - 8	211	0	0	1	100.00%	98.64%
8 - 9	210	0	0	0	100.00%	98.64%
9 - 10	210	0	0	3	100.00%	98.64%
10 - 11	207	0	0	0	100.00%	98.64%
11 - 12	207	0	0	0	100.00%	98.64%
12 - 13	207	0	0	0	100.00%	98.64%
13 - 14	207	0	0	0	100.00%	98.64%
14 - 15	207	0	0	0	100.00%	98.64%
15 - 16	207	0	0	0	100.00%	98.64%
16 - 17	207	0	0	0	100.00%	98.64%
17 - 18	207	0	0	0	100.00%	98.64%
18 - 19	207	0	12	0	100.00%	98.64%
19 - 20	195	0	47	0	100.00%	98.64%
20 - 21	148	0	31	0	100.00%	98.64%
21 - 22	117	0	30	0	100.00%	98.64%
22 - 23	87	0	40	0	100.00%	98.64%
23 - 24	47	0	21	0	100.00%	98.64%
24 - 25	26	0	26	0	100.00%	98.64%
25 - 26	0	0	0	0		
Totals	226	3	207	16		

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Interval (months)	#Implants at Risk At Start	# Failed Implants	Duration	Death / Lost	Interval Success	Cumulative Success
0 - 1	490	0	0	4	100.00%	100.00%
1 - 2	486	0	0	0	100.00%	100.00%
2 - 3	486	0	0	0	100.00%	100.00%
3 - 4	486	3	0	0	99.38%	100.00%
4 - 5	483	0	0	0	100.00%	99.38%
5 - 6	483	0	0	0	100.00%	99.38%
6 - 7	483	1	0	0	99.79%	99.38%
7 - 8	482	0	0	0	100.00%	99.18%
8 - 9	482	0	0	0	100.00%	99.18%
9 - 10	482	1	0	0	99.79%	99.18%
10 - 11	481	1	0	0	99.79%	98.97%
11 - 12	480	0	0	5	100.00%	98.77%
12 - 13	475	0	0	0	100.00%	98.77%
13 - 14	475	0	0	0	100.00%	98.77%
14 - 15	475	0	7	0	100.00%	98.77%
15 - 16	468	0	22	1	100.00%	98.77%
16 - 17	445	0	32	0	100.00%	98.77%
17 - 18	413	0	41	0	100.00%	98.77%
18 - 19	372	0	32	0	100.00%	98.77%
19 - 20	340	0	38	0	100.00%	98.77%
20 - 21	302	0	58	0	100.00%	98.77%
21 - 22	244	0	44	0	100.00%	98.77%
22 - 23	200	0	80	0	100.00%	98.77%
23 - 24	120	0	43	0	100.00%	98.77%
24 - 25	77	0	29	0	100.00%	98.77%
25 - 26	48	0	37	0	100.00%	98.77%
26 - 27	11	0	11	0	100.00%	98.77%
27 - 28	0	0	11	0	100.00%	98.77%
Totals	490	6	485	10		



# Exhibit 09

**EXHIBIT 09**  
**510(k) SUMMARY**

To the Requestor:

This information is taken directly from the original Pre-Market Notification [510(k)], submission, provided to the United States Food and Drug Administration. No pertinent information regarding safety or efficacy has been knowingly or purposely deleted from that submission, for this summary.

  
William G. Conety  
Regulatory Affairs

**510(k) SUBMISSION: OSSEOTITE® Dental Implant System:**

Performance claim: Reduced time from implant placement to clinical evaluation for prosthetic loading with OSSEOTITE® implants.

**CLASSIFICATION NAME:** Endosseous Dental Implant

**COMMON/USUAL NAMES:** Threaded/screw type dental implants

**PROPRIETARY NAME:** OSSEOTITE® Dental Implants

**CLASSIFICATION:** Endosseous implants, per 872.3640 are class III devices. Date PMA or notice of Completion of a PDP is required but no effective date has yet been established for the requirements for pre-market approval.

**PERFORMANCE STANDARDS:** Unknown

**DEFINITIONS:** In this submission the following definitions apply:

**Stage-one surgery** means the surgical procedure to place an implant and healing abutment or one-stage implant with cover screw into the upper or lower jaw arch as future support for a prosthetic appliance.

**Healing time** means the time period between implant placement and clinical evaluation for application of a prosthetic appliance (loading).

**Adequate healing** is assessed by clinical evaluation to determine additional treatment requirements, restorative options and/or immediate attachment of a prosthetic appliance. Adequate healing is achieved when the implant is immobile under manual manipulation, no radiolucency is observed, local bone/soft tissue health is acceptable and there is no other noted condition considered by the treating clinician to be contraindicating for application of a prosthetic appliance.

**Prosthetic appliance** means provisional or permanent. No distinction is made between provisional and permanent as both may permit transmission of masticatory loading forces to the implant.

## **BACKGROUND:**

Historically, it has been widely reported and generally accepted that successful implant treatment requires some defined period of time for healing between surgical placement of the implant and subsequent restorative procedures or actual application of a prosthetic appliance. and others including 3i, have widely endorsed the position that at least three to four months healing is required for implants placed in the mandible or other sites with dense bone and five to six months for maxillary implants or where mostly soft trabecular bone is present. Since et al., first recommended these healing times, they have become *de facto* standards for dental implant treatment and for many clinicians, an integral part of their standard treatment modality.

Regardless of available clinical data (or lack thereof) used to support previous recommended healing time or other means by which these time periods became established in the dental implant community, most clinicians understand that in addition to time, adequate healing or integration of implant to bone, was (is) also directly related to, among others, patient general and in particular oral health factors, overall scope and complexity of the clinical/surgical procedure(s) required to place the implant or undertaken in conjunction with the implant treatment procedures and to some extent, the skill and experience of the implant

surgeon. It is also well known and understood that even with, what appears to be the best of all conditions, there are still implant treatment failures for which there seems to be no identifiable cause(s).

Recently there has been a significant increase in activity directed toward claims or implications by manufacturers and/or clinicians, specifically relating to reduced healing times or in some cases, elimination altogether of unloaded (no prosthetic appliance or protection from masticatory forces) post-implant healing times. These more recent developments claim or imply that specific implant design features and/or surface characteristics are contributory factors to "Rapid osseointegration with implant loading within 3 months" , "... routine reduction of healing times to 6 - 8 weeks before loading." and "... will allow full restorative loading of the implants 6 weeks after implant insertion in suitable cases." and of course the " Implant ... that can be immediately loaded while the bone grows ..."

In these examples, manufacturers provide information to indicate or otherwise imply that adequate clinical data is available to support their various claims of faster healing, less time to prosthetic attachment or immediate loading while the implant site (bone) continues to heal. All this clinical data being reported lends some validity to suggestions that implant design, surface structure or surface features or perhaps some combination thereof, may relate or contribute in some way to a physiological phenomenon, affecting actual healing times.

Implant Innovations, Inc. early on, recognized the importance of improving overall dental implant treatment, through development of device design enhancements that simplified or otherwise improved the science of dental implantology. In , a task was undertaken to develop and apply a much greater understanding of the bone healing process to an improved implant design and/or surface morphology. One of the key outcomes of this undertaking has been development of the OSSEOTITE® Implant

## RESEARCH AND CLINICAL TESTING OVERVIEW:

The osteoblast is the primary cell associated with production of new bone and extra cellular matrix. To generate bone in direct apposition to an implant surface, the osteoblast and other osteogenic material must migrate to and contact the implant surface. The gap between bone and implant surface must be bridged. It's reported osteoblast utilize two different methods to approach and deposit

bone on an implant surface. These two methods are referred to as "Distance" and Contact Osteogenesis"

In "distance osteogenesis", new bone is created and formed on the surface of existing bone; the process continuously repeated until bone healing or growth is completed or until the new bone encroaches upon the implant surface. However, "distance osteogenesis" phenomenon does not appear to completely close the gap between living bone and implant surface. When "distance osteogenesis" is the primary means of bone healing, the implant will always be partially separated from the bone by trapped connective tissue.

With "contact osteogenesis", new bone is formed directly upon the implant surface. Contact osteogenesis relies on migration of osteogenic cells directly to the implant surface. Migration occurs along the fibrin network formed during blood clot resolution. However, it's been noted that any disruption of this fibrin network may result in redirection of osteoblast from the implant surface. Thus, the defined OSSEOTITE® surface morphology may explain its ability to maintain the clot or fibrin network (referred to also as osseointegration).

Since market introduction, OSSEOTITE® has generated significant interest in the dental implant community at both clinical and competitor levels. 3i has been approached by numerous academic and clinical researchers for materials and support to further evaluate the unique surface and its relationship to bone interface and tissue reaction. As such, we have several ongoing physio-mechanical evaluations prospective human clinical trials ongoing to evaluate various aspects of clinical performance and the resulting success rates.

These ongoing evaluations and clinical studies indicate OSSEOTITE® implant surface appears to provide greater overall performance success rates when used in areas normally associated with poorer bone quality such as posterior maxilla and based on initial results, also appears to require less time to achieve adequate healing between stage one surgery and prosthetic loading.

Interim results from various ongoing evaluations, animal studies and clinical trials using OSSEOTITE® implants provide additional evidence of a correlation between implant surface morphology and bone growth and possible healing abilities, clearly demonstrating an increase in resistance to countertorque extraction for OSSEOTITE® implants compared to machined surfaced implants at healing times significantly less than previously recommended

in surgical manuals and Instructions for Use

In research at Biomaterials hollow titanium chambers containing either a machined or surface were implanted into a rat model. Histology demonstrates the phenomenon known or referred to as "contact osteogenesis and the relationship of clot retention to bone healing. In chambers with a machined surface the clot was observed to pull away from the chamber wall permitting bone formation slowly down the center of the chamber only. In chambers, the clot remained in contact with the surface, enabling bone to form directly on the chamber surface and filling the chamber completely. By placing material between prepared surfaces of two disks, the clot retention of different surface topographies is determined by the amount of force required to separate the disks. The surface was noted to consistently demonstrate two times the clot retention of a machined surface.

From ongoing clinical trials it has also been reported that OSSEOTITE® implants appear to attain a firm attachment, integrated with new bone in significantly less time than non-OSSEOTITE® implants for consideration of prosthetic loading

#### **SUBSTANTIAL EQUIVALENCE:**

OSSEOTITE® Implants have been determined substantially equivalent in design and materials to standard and self-tapping implants, the and implant systems. Information and materials contained within this submission do not alter the Agency's original determination of substantial equivalence of OSSEOTITE® implant, but provides additional information to support a marketing claim of reduced stage-one healing time from four months for implants placed in the mandible or other locations with dense bone and from six months to two months regardless of mandible, maxilla or placement sites with seeming less dense or trabecular bone.

The proposed reduced healing time claims are substantially equivalent to claims made by for the TM implant system in that data from both systems recognize implant surface area and morphology as relevant factors to faster healing. The systems differ in actual implant and surface designs.

Proposed claims of reduced healing time are substantially equivalent to claims made by [redacted] for [redacted] implants in that [redacted] instructions recommend three months healing in "Good quality bone" and 4 months in "Spongiest bone" and, in at least one marketing piece [redacted] suggests further possible reductions in healing time by stating their clinical studies may (sometime in the future) demonstrate "... routine reduction of healing time to 6-8 weeks before loading." Substantial equivalence is further achieved in that the [redacted] is nearly identical to the OSSEOTITE® surface. Clinical studies by both 3i and [redacted] provide strong evidence to suggest surface area and morphology as relevant factors to faster healing. Surgical procedures for placement of the [redacted] implant and OSSEOTITE® single stage also do not substantially differ.

Both 3i and [redacted] also continue to recommend unloaded healing times.

Healing claims differ in that [redacted] (and others) specifically state healing occurs in defined time periods. 3i does not make this claim and believes such claims may be somewhat misleading. 3i will recommend, based on all data obtained or reviewed to date, that clinical evaluation for application of a prosthetic appliance may be appropriate two months post stage-one surgery, provided all healing or integration criteria are met continuation of the restorative process and possible prosthetic attachment.

Though immediate prosthetic loading may be a desirable possibility, at this time 3i's proposed claims do not reflect substantial equivalence to any such claims [redacted]. 3i will continue to recommend unloaded healing, until such time that adequate scientific and long term clinical data is available to support immediate prosthetic loading.

#### **LABEL/LABELING MATERIALS:**

Product labels will not change from those specified in original OSSEOTITE® Pre-Market notification [redacted] or OSSEOTITE® Single Stage Implants [redacted]. Instructions for use, promotional materials and future surgical manuals, brochures, instructions for OSSEOTITE® surfaced implants will be revised to reflect the claim for reduced healing time to consideration of prosthetic loading as stated herein.

Marketing/promotional materials may be developed to include wording such as reduced healing time or similar such wording to indicate that prosthetic loading may be considered at substantially reduced time periods, from those previously recommended, when OSSEOTITE® surfaced implants are used.

Suggested new surgical manual wording: "The time elapsed between surgical implant placement and the final abutment placement is referred to as the healing or osseointegration period. The duration of the healing is dependent upon the quality of the bone at the specific site. OSSEOTITE® implants experience an accelerated healing rate due to an increase in contact osteogenesis activity. Interim results from ongoing clinical studies demonstrate OSSEOTITE® implants, when placed in accordance with good clinical practice, may be reasonably expected to achieve adequate healing (integration), two months after surgical placement and consideration of prosthetic loading may be undertaken at that time. Healing periods can vary or be modified, depending on many factors including bone quality at implantation site and/or clinical assessment of bone density at the time of the surgical procedure. A radiographic examination after two months and prior to restoration, should be completed to confirm adequate healing (absence of radiolucency). During the healing period, the implant must remain unloaded. Extreme care must be taken to avoid pressure on or over the implant during this period. Existing prosthetic devices, if reused must be appropriately altered to protect the implant site from masticatory forces or if a temporary restoration is used, it must be designed so as to prevent functional loading of the OSSEOTITE® implant."

#### INDICATIONS FOR USE:

An Endosseous dental implant is indicated for surgical placement in the upper or lower jaw arches, to provide a root form means for prosthetic appliance attachment to restore a patient's chewing function. A successfully integrated implant will achieve a firm and direct connection between the living bone and the surface of the titanium or titanium alloy implant when surgically implanted under controlled conditions, per well known clinical studies.

There has been no change in the indications for use from those specified in the original Pre-Market Notification except that with OSSEOTITE® implants, the time required to achieve adequate healing after stage one surgery for prosthetic loading consideration may be reduced from four months for implants placed in the mandible or other locations with dense bone and from



six months to two months regardless of mandible, maxilla or placement sites with seeming less dense or trabecular bone, provided all clinical healing (integration) criteria are met for prosthetic application.

### **CONTRAINDICATIONS:**

3i implants should not be used in cases where the remaining jaw bone is too diminished to provide adequate width or height to surround the implant. Lack of osseointegration or subsequent implant failure may occur in cases where there is insufficient available bone or poor bone quality, poor oral hygiene, heavy smoking or tobacco abuse, or medical conditions such as blood disorders, infection(s), vascular impairment at surgical site, uncontrolled diabetes, heavy smoking or tobacco abuse, drug or alcohol abuse, chronic high dose steroid therapy, medical conditions such as blood clotting disorders, current or ongoing anticoagulant therapy, metabolic bone disease or other metabolic or systemic disorders which may adversely affect bone or wound healing or cases in which the available bone is too diminished to provide adequate width or height to adequately hold implants and restorative appliances.

### **WARNINGS:**

For safe and effective use of 3i implants, it is strongly suggested that specialized training be undertaken since the surgical techniques required to place dental implants are highly specialized and complex procedures. Improper patient selection and technique can cause implant and/or abutment failure with possible loss of supporting bone.

### **PRECAUTIONS:**

Thorough screening of prospective implant candidates must be performed. Visual inspection as well as panoramic and periapical radiographs are essential to determine anatomical landmarks, occlusal conditions, parodontal status, and adequacy of bone. Lateral cephalometric radiographs, CT Scans, and tomogram may also be beneficial.

### **ADVERSE EFFECTS:**

Loss of implant anchorage (failure to osseointegrate) and loss of the prosthesis are possible occurrences after surgery. Lack of quantity or quality of remaining

bone, infections, poor patient oral hygiene or cooperation, and generalized diseases (diabetes, etc.) are some potential causes for loss of anchorage.

### **SURGICAL COMPLICATIONS:**

The implant procedure has risks, including localized swelling, dehiscence, tenderness of short duration, edema, hematoma, or bleeding. Numbness of the lower lip and chin region following lower jaw surgery, and of the tissue beside the nose following upper jaw surgery, is a possible side effect of the surgery. Though it would most probably be of a temporary nature, in very rare cases, the numbness has been permanent. Gingival/Mucosal (gum tissue) ulceration, tissue reaction, or infection may occur, but generally responds to local care.

### **PRE-MARKET NOTIFICATION CLASS III CERTIFICATION AND SUMMARY FOR SUBMISSION:**

I certify a reasonable search has been conducted of all information known or otherwise available about the types and causes of safety and/or effectiveness problems that have been reported for Endosseous Dental Implant systems, including abutment systems. Failure to osseointegrate or loss of osseointegration can be caused by improper patient selection (patients with systemic diseases which affect bone physiology, patients with habits such as bruxing or clenching, patients who are physically or psychologically unable to carry out proper implant hygiene, heavy smoking or alcohol use), by improper surgical technique (overheating of bone) or improper case planning or restorative technique (overloading of implants through improper placement, use of an insufficient number of implants or excessive cantilever). Improper implant processing by the manufacturer or improper handling by the customer, resulting in contamination, can also effect osseointegration.

Fracture of implants can occur, particularly in implants with apical cross-holes. Fracture occurs either on insertion of screw-type implants due to excessive torque (improper surgical technique such as an error in drill selection) or in service due to loss of bone.

Fracture of abutments and abutment screws occurs in implant systems and is usually attributed to factors within the control of the implant team, such as lack of passive fit of the restoration or excessive cantilever, or within the control of

the patient, such as bruxing.

Other types of safety and efficacy problems which have been observed for endosseous dental implant systems are local soft tissue degeneration and bone resorption, paresthesia, perforation of the maxillary sinus, perforation of labial and lingual plates, local and systemic infection, prosthetic framework fracture, nerve injury, bone fracture, injury to adjacent teeth and their supporting bone, oroantral or oronasal fistula, gingival hyperplasia, soft tissue overgrowth, perforation of the gingiva by the healing screw, mucosal abscess, displacement of the implant into the mandibular canal, hemorrhage of the floor of the mouth due to transection of the sublingual artery and breakage of drill tip, requiring surgical removal.

\_\_\_\_\_ end \_\_\_\_\_

William G. Conety  
Regulatory Affairs

## **EXHIBIT 09**

### **510(k) SUMMARY**

To the Requestor:

This information is taken directly from the original Pre-Market Notification [510(k)], submission, provided to the United States Food and Drug Administration. No pertinent information regarding safety or efficacy has been knowingly or purposely deleted from that submission, for this summary.

**William G. Conety**  
**Regulatory Affairs**

#### **510(k) SUBMISSION: OSSEOTITE® Dental Implant System:**

Performance claim: Reduced time from implant placement to clinical evaluation for prosthetic loading with OSSEOTITE® implants.

**CLASSIFICATION NAME:** Endosseous Dental Implant

**COMMON/USUAL NAMES:** Threaded/screw type dental implants

**PROPRIETARY NAME:** OSSEOTITE® Dental Implants

**CLASSIFICATION:** Endosseous implants, per 872.3640 are class III devices. Date PMA or notice of Completion of a PDP is required but no effective date has yet been established for the requirements for pre-market approval.

**PERFORMANCE STANDARDS:** Unknown

**DEFINITIONS:** In this submission the following definitions apply:

**Stage-one surgery** means the surgical procedure to place an implant and healing abutment or one-stage implant with cover screw as support for a prosthetic appliance.

**Healing time** means time between placement and prosthetic application (loading).

**Adequate healing** means assessment by clinical evaluation.

**Prosthetic appliance** means provisional or permanent.

## **BACKGROUND:**

Historically, it has been reported and generally accepted that successful implant treatment requires some defined period of time for healing between implant placement and restorative procedures. Many have endorsed the position that at least three to four months healing is required for implants placed in the mandible or other sites with dense bone and five to six months for maxillary implants or where mostly soft trabecular bone is present. Since these suggested recommendations were first published, they have become *de facto* standards for dental implant treatment and for many clinicians, an integral part of their standard treatment modality. Most now understand that in addition to time, adequate healing or integration of implant to bone is also related to patient general and oral health, overall scope and complexity of the clinical/surgical procedure(s) and to some extent, the skill and experience of the implant surgeon. It is also well known and understood that even with, the best of all conditions, there are still implant treatment failures for which there seems no identifiable cause(s).

Recently there's been increase activity in performance claims relating to reduced healing times or elimination altogether of unloaded post-implant healing times and clinical studies reported to substantiate these claims. All this clinical data being reported lends some validity to suggestions that implant design, surface structure or surface features or perhaps some combination thereof, may relate or contribute in some way to a physiological phenomenon, affecting actual healing times. It also early on, recognized the benefits of improving overall dental implant treatment, through development of device design enhancements that simplified or otherwise improved the science of dental implantology. One of the key outcomes of this has been development of the OSSEOTITE® Implant.

## **RESEARCH AND CLINICAL TESTING OVERVIEW:**

To generate bone in direct apposition to an implant surface, the osteoblast and other

osteogenic material must migrate to and contact the implant surface. The gap between bone and implant surface must be bridged. It's reported osteoblast utilize two different methods to approach and deposit bone on an implant surface. These two methods are referred to as "Distance" and Contact Osteogenesis". In "distance osteogenesis", new bone is created and formed on the surface of existing bone; the process continuously repeated until bone healing or growth is completed or until the new bone encroaches upon the implant surface. However, "distance osteogenesis" phenomenon does not appear to completely close the gap between living bone and implant surface. When "distance osteogenesis" is the primary means of bone healing, the implant will always be partially separated from the bone by trapped connective tissue. With "contact osteogenesis", new bone is formed directly upon the implant surface. Contact osteogenesis relies on migration of osteogenic cells directly to the implant surface. Migration occurs along the fibrin network formed during blood clot resolution. However, it's been noted that any disruption of this fibrin network may result in redirection of osteoblast from the implant surface. Thus, the defined OSSEOTITE® surface morphology may explain its ability to maintain the clot or fibrin network (referred to also as osteoconductivity).

Since market introduction, 3i has been approached by numerous academic and clinical researchers for materials and support to further evaluate the unique OsseoTite surface and its relationship to bone interface and tissue reaction. These ongoing evaluations and clinical studies indicate OSSEOTITE® surface appears to provide greater overall performance success rates when used in areas normally associated with poorer bone quality such as posterior maxilla and based on initial results, also appears to require less time to achieve adequate healing between stage one surgery and prosthetic loading. Interim results from various ongoing evaluations, animal studies and clinical trials using OSSEOTITE® implants provide additional evidence of a correlation between implant surface morphology and bone growth and possible healing abilities, clearly demonstrating an increase in resistance to countertorque extraction for OSSEOTITE® implants compared to machined surfaced implants at healing times significantly less than previously recommended in surgical manuals and Instructions for Use. From ongoing clinical trials it has also been reported that OSSEOTITE® implants appear to attain a firm attachment, integrated with new bone in significantly less time than non-OSSEOTITE® implants for consideration of prosthetic loading.

#### **SUBSTANTIAL EQUIVALENCE:**

OSSEOTITE® Implants have been determined substantially equivalent in design and materials to other standard and self-tapping implants currently in commercial

1 distribution. Information and materials contained within this submission do not alter the Agency's original determination of substantial equivalence of OSSEOTITE®, but provides additional information to support a marketing claim of reduced stage-one healing time from four months for implants placed in the mandible or other locations with dense bone and from six months to two months regardless of mandible, maxilla or placement sites with seeming less dense or trabecular bone.

Proposed reduced healing time claims are substantially equivalent to claims made by other manufacturers that recognize implant surface area and morphology as relevant factors to faster healing, though implant designs materials may differ.

3i continues to recommend unloaded healing times.

3i does not claim specific healing times but recommends clinical evaluation for application of a prosthetic appliance at two months post stage-one surgery, provided all healing or integration criteria are met continuation of the restorative process and possible prosthetic attachment.

#### **LABEL/LABELING MATERIALS:**

Product labels will not change from those specified in original OSSEOTITE® Pre-Market notification or OSSEOTITE® Single Stage Implants. Instructions for use, promotional materials and future surgical manuals, brochures, instructions for OSSEOTITE® surfaced implants will be revised to reflect the claim for reduced healing time to consideration of prosthetic loading.

Marketing/promotional materials may be developed to include wording such as reduced healing time or similar such wording to indicate that prosthetic loading may be considered at substantially reduced time periods, from those previously recommended, when OSSEOTITE® surfaced implants are used.

Suggested new surgical manual wording: "The time elapsed between surgical implant placement and the final abutment placement is referred to as the healing or osseointegration period. The duration of the healing is dependent upon the quality of the bone at the specific site. OSSEOTITE® implants experience an accelerated healing rate due to an increase in contact osteogenesis activity. Interim results from ongoing clinical studies demonstrate OSSEOTITE® implants, when placed in accordance with good clinical practice, may be reasonably expected to achieve adequate healing (integration), two months after surgical placement and consideration

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of prosthetic loading may be undertaken at that time. Healing periods can vary or be modified, depending on many factors including bone quality at implantation site and/or clinical assessment of bone density at the time of the surgical procedure. A radiographic examination after two months and prior to restoration, should be completed to confirm adequate healing (absence of radiolucency). During the healing period, the implant must remain unloaded. Extreme care must be taken to avoid pressure on or over the implant during this period. Existing prosthetic devices, if reused must be appropriately altered to protect the implant site from masticatory forces or if a temporary restoration is used, it must be designed so as to prevent functional loading of the OSSEOTITE® implant."

### **INDICATIONS FOR USE:**

An Endosseous dental implant is indicated for surgical placement in the upper or lower jaw arches, to provide a root form means for prosthetic appliance attachment to restore a patient's chewing function. There is no change in indications for use from those specified in the original Pre-Market Notification except that with OSSEOTITE® implants, the time required to achieve adequate healing after stage one surgery for prosthetic loading consideration may be reduced to two months regardless of mandible, maxilla or placement sites with seeming less dense or trabecular bone, provided all clinical healing (integration) criteria are met for prosthetic application.

### **CONTRAINDICATIONS:**

Implants should not be used in cases where the remaining jaw bone is too diminished to provide adequate width or height to surround the implant. Lack of osseointegration or subsequent implant failure may occur in cases where there is insufficient available bone or poor bone quality, poor oral hygiene, heavy smoking or tobacco abuse, or medical conditions such as blood disorders, infection(s), vascular impairment at surgical site, uncontrolled diabetes, heavy smoking or tobacco abuse, drug or alcohol abuse, chronic high dose steroid therapy, medical conditions such as blood clotting disorders, current or ongoing anticoagulant therapy, metabolic bone disease or other metabolic or systemic disorders which may adversely affect bone or wound healing or cases in which the available bone is too diminished to provide adequate width or height to adequately hold implants and restorative appliances.

### **WARNINGS:**

It is strongly suggested that specialized training be undertaken since the surgical

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techniques required to place dental implants are highly specialized and complex procedures. Improper patient selection and technique can cause implant and/or abutment failure with possible loss of supporting bone.

### **PRECAUTIONS:**

Thorough screening of prospective implant candidates must be performed. Visual inspection as well as panoramic and periapical radiographs are essential to determine anatomical landmarks, occlusal conditions, parodontal status and adequacy of bone. Lateral cephalometric radiographs, CT Scans, and tomogram may also be beneficial.

### **ADVERSE EFFECTS:**

Loss of implant anchorage (failure to osseointegrate) and loss of the prosthesis are possible occurrences after surgery. Lack of quantity or quality of remaining bone, infections, poor patient oral hygiene or cooperation, and generalized diseases (diabetes, etc.) are some potential causes for loss of anchorage.

### **SURGICAL COMPLICATIONS:**

The implant procedure has risks, including localized swelling, dehiscence, tenderness of short duration, edema, hematoma, or bleeding. Numbness of the lower lip and chin region following lower jaw surgery, and of the tissue beside the nose following upper jaw surgery, is a possible side effect of the surgery. Though it would most probably be of a temporary nature, in very rare cases, the numbness has been permanent. Gingival/Mucosal (gum tissue) ulceration, tissue reaction, or infection may occur, but generally responds to local care.

### **PRE-MARKET NOTIFICATION CLASS III CERTIFICATION AND SUMMARY FOR SUBMISSION:**

I certify a reasonable search has been conducted of all information known or otherwise available about the types and causes of safety and/or effectiveness problems that have been reported for Endosseous Dental Implant systems, including abutment systems. Failure to osseointegrate or loss of osseointegration can be caused by improper patient selection (patients with systemic diseases which affect bone physiology, patients with habits such as bruxing or clenching, patients who are physically or psychologically unable to carry out proper implant hygiene, heavy smoking or alcohol use), by improper surgical technique (overheating of bone) or improper case planning or

restorative technique (overloading of implants through improper placement, use of an insufficient number of implants or excessive cantilever). Improper implant processing by the manufacturer or improper handling by the customer, resulting in contamination, can also effect osseointegration. Fracture of implants can occur, particularly in implants with apical cross-holes. Fracture occurs either on insertion of screw-type implants due to excessive torque (improper surgical technique such as an error in drill selection) or in service due to loss of bone. Fracture of abutments and abutment screws occurs in implant systems and is usually attributed to factors within the control of the implant team, such as lack of passive fit of the restoration or excessive cantilever, or within the control of the patient, such as bruxing. Other types of safety and efficacy problems which have been observed for endosseous dental implant systems are local soft tissue degeneration and bone resorption, paresthesia, perforation of the maxillary sinus, perforation of labial and lingual plates, local and systemic infection, prosthetic framework fracture, nerve injury, bone fracture, injury to adjacent teeth and their supporting bone, oroantral or oronasal fistula, gingival hyperplasia, soft tissue overgrowth, perforation of the gingiva by the healing screw, mucosal abscess, displacement of the implant into the mandibular canal, hemorrhage of the floor of the mouth due to transection of the sublingual artery and breakage of drill tip, requiring surgical removal.

\_\_\_\_\_ end \_\_\_\_\_

William G. Conety  
Regulatory Affairs



Food and Drug Administration  
9200 Corporate Boulevard  
Rockville MD 20850

JAN 6 1999

Mr. William G. Conety  
Director of Regulatory Affairs  
Implant Innovations, Incorporated  
4555 Riverside Drive  
Palm Beach Gardens, Florida 33410

Re: K983347  
Trade Name: OSSEOTITE® Dental Implant  
Regulatory Class: III  
Product Code: DZE  
Dated: September 18, 1998  
Received: September 23, 1998

Dear Mr. Conety:

We have reviewed your Section 510(k) notification of intent to market the device referenced above and we have determined the device is substantially equivalent (for the indications for use stated in the enclosure) to legally marketed predicate devices marketed in interstate commerce prior to May 28, 1976, the enactment date of the Medical Device Amendments, or to devices that have been reclassified in accordance with the provisions of the Federal Food, Drug, and Cosmetic Act (Act). You may, therefore, market the device, subject to the general controls provisions of the Act. The general controls provisions of the Act include requirements for annual registration, listing of devices, good manufacturing practice, labeling, and prohibitions against misbranding and adulteration.

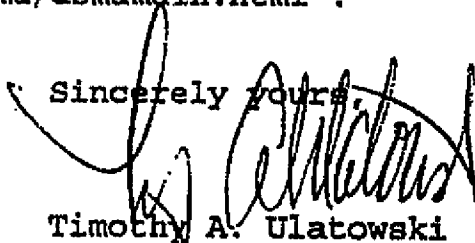
If your device is classified (see above) into either class II (Special Controls) or class III (Premarket Approval), it may be subject to such additional controls. Existing major regulations affecting your device can be found in the Code of Federal Regulations, Title 21, Parts 800 to 895. A substantially equivalent determination assumes compliance with the Current Good Manufacturing Practice requirements, as set forth in the Quality System Regulation (QS) for Medical Devices: General regulation (21 CFR Part 820) and that, through periodic QS inspections, the Food and Drug Administration (FDA) will verify such assumptions. Failure to comply with the GMP regulation may result in regulatory action. In addition, FDA may publish further announcements concerning your device in the Federal Register. Please note: this response to your premarket notification submission does not affect any obligation you might have under sections 531

through 542 of the Act for devices under the Electronic Product Radiation Control provisions, or other Federal laws or regulations.

This letter will allow you to begin marketing your device as described in your 510(k) premarket notification. The FDA finding of substantial equivalence of your device to a legally marketed predicate device results in a classification for your device and thus, permits your device to proceed to the market.

If you desire specific advice for your device on our labeling regulation (21 CFR Part 801 and additionally 809.10 for in vitro diagnostic devices), please contact the Office of Compliance at (301) 594-4692. Additionally, for questions on the promotion and advertising of your device, please contact the Office of Compliance at (301) 594-4639. Also, please note the regulation entitled, "Misbranding by reference to premarket notification" (21CFR 807.97). Other general information on your responsibilities under the Act may be obtained from the Division of Small Manufacturers Assistance at its toll-free number (800) 638-2041 or (301) 443-6597 or at its internet address "<http://www.fda.gov/cdrh/dsma/dsmamain.html>".

Sincerely yours,



Timothy A. Ulatowski  
Director  
Division of Dental, Infection Control,  
and General Hospital Devices  
Office of Device Evaluation  
Center for Devices and  
Radiological Health

Enclosure

510(k) Number: [REDACTED] K983347

Page 1 of 1

Device Name: Endosseous Dental Implant - OSSEOTITE® Dental Implant System  
(Original Pre-Market Notification number K935544).

**INDICATIONS FOR USE:**

An endosseous dental implant is indicated for surgical placement in the upper or lower jaw arches, to provide a root form means for prosthetic appliance attachment and to restore a patient's chewing function.

With use of OSSEOTITE® implants, the time between surgical implant placement and evaluation for prosthetic loading may be reduced from previously recommended four months (mandible) and six months (maxillary) to, two months for either mandibular or maxillary sites, when such evaluation confirms appropriate conditions for prosthetic attachment and masticatory loading.

**DO NOT WRITE BELOW THIS LINE - CONTINUE ON ANOTHER PAGE**

Concurrence of CDRH, Office of Device Evaluation (ODE)

Susan Pinner  
(Division Sign-Off)  
Division of Dental, Infection Control,  
and General Hospital Devices

510(k) Number [REDACTED] K983347

Prescription Use: ☒ OR Over-The-Counter Use: ☐ Per 21 CFR 801.109)



# Proven Performance

A Decade  
of Acid  
Etched Surfaces



 **STERI-OSS®**

From

 **Nobel Biocare**

# Proven Success

Prior to the introduction of the first Steri-Oss® System threaded dental implant in 1986, surface research was initiated by Steri-Oss to develop a roughened titanium surface. The result of this research was a patented<sup>1</sup> two step acid etching procedure which significantly increased the surface area over that of machined titanium implants.

## Acid Etched Since Inception

The Steri-Oss acid etched surface not only demonstrated increased roughness and therefore greater surface area, but also a very high surface energy which increased the ability of blood to spread out and disperse itself around the body of the implant. The Steri-Oss etched titanium threaded implant has featured this type of surface since its inception in 1986.

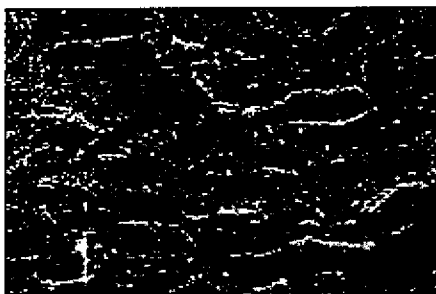
**Figure 1a**

Steri-Oss HL etched titanium implant  
500x magnification



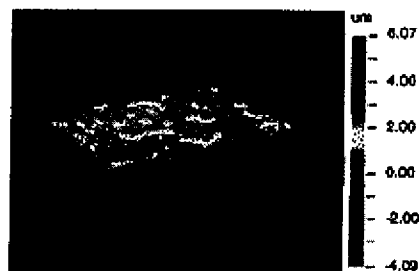
**Figure 1b**

3i® Osseotite® etched titanium implant  
500x magnification



Mag: 410 X  
Mode: VSI

3-D Plot



**Surface Statistics:** Ra: 1130 nm

**Figure 2a**

Steri-Oss HL etched titanium implant Lot #967256

Mag: 439 X  
Mode: VSI

3-D Plot



**Surface Statistics:** Ra: 939.62 nm

**Figure 2b**

3i Osseotite® implant Lot #17910

## Independent Laboratory Studies

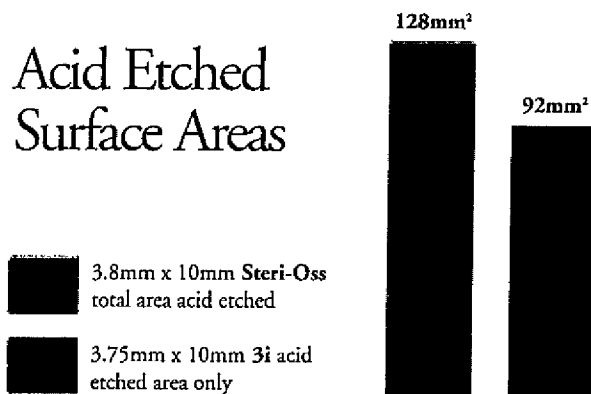
Independent laboratories<sup>2,3</sup> conducted evaluations of Steri-Oss and Osseotite® roughened surface dental implants. Scanning electron microscopy was used to evaluate topography (fig. 1a & 1b) and laser profilometry, which yields a 3D representation of the surface, was used as a quantitative measurement. This laser profiling (fig. 2a & 2b) demonstrates that the Steri-Oss etched titanium implants have more surface roughness and a greater surface area index than Osseotite®. These studies demonstrate the effectiveness of the patented Steri-Oss acid etching procedure.

# Design

## Acid Etched Surface Areas

In a three dimensional computerized modeling study, a comparison of surface area was made using dimensions from a commercially available Steri-Oss® System acid etched 3.8 x 10mm HL titanium implant and a commercially available 3.75 x 10mm acid etched Osseotite® implant.

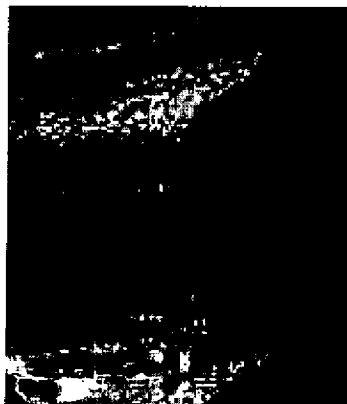
The 3.8 Steri-Oss implant has the acid etched surface on all threads of the implant for maximum bone apposition while the Osseotite® implant has a machined surface on the top two threads and the remainder of the implant surface is acid etched.



The acid etched surface area of the Osseotite® implant was 92mm² and the acid etched surface area of the Steri-Oss implant was 128mm², a 28% increase.

## Acid Etched Surface Comparison

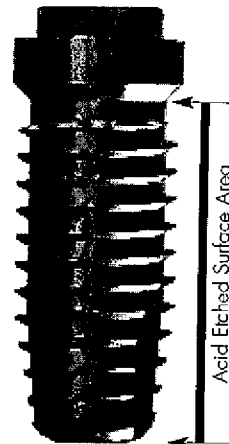
SEM's demonstrate the roughened acid etched surface of Steri-Oss and Osseotite® implants.



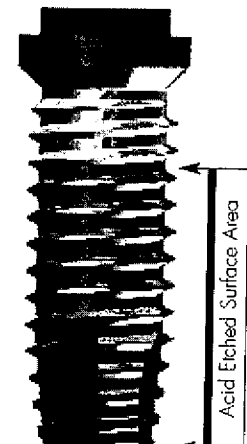
**Figure 4a**  
SEM of Steri-Oss  
acid etched  
titanium surface  
(100x)



**Figure 4b**  
SEM of Osseotite®  
acid etched  
titanium surface  
(100x)



**Figure 3a**  
Computer model of acid  
etched surface area  
of 3.8 x 10mm  
Steri-Oss HL Implant



**Figure 3b**  
Computer model of  
acid etched surface area  
of 3.75 x 10mm  
Osseotite® Implant

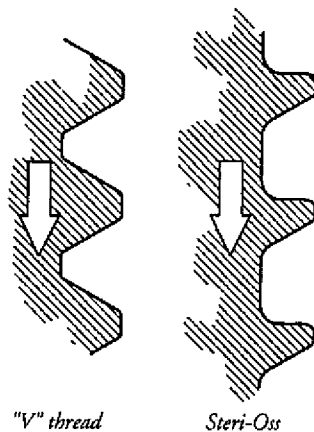


# Superior Design

## Bone Volume Maximized Between Threads

In 1984, Steri-Oss® started the development of an improved thread design for use in soft bone. Instead of using a standard 60° (V Thread Design) machined thread, common to other implants, the thread profile of the Steri-Oss 3.8mm acid etched titanium implant was specifically designed<sup>5</sup> to maximize bone volume between the threads while still maintaining the load transfer advantages that the 60° thread offers. The potential bone volume between the Steri-Oss threads is 32% more than the potential bone volume between the threads of standard 60° designs of the same depth and pitch.

One benefit of this greater bone volume between threads is a reduction in stripping on insertion of Steri-Oss implants.



**Figure 5**

The potential bone volume between the Steri-Oss threads (right) is 32% greater than the same size standard "V" thread

## Animal Studies

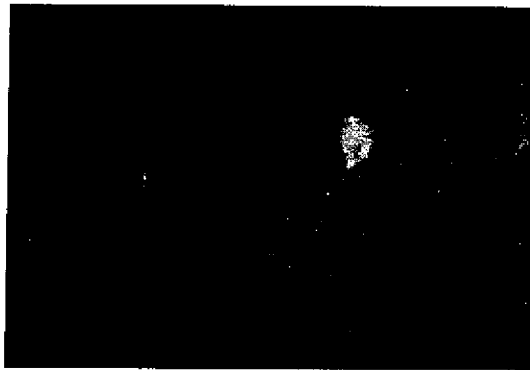
An animal study by Stefflik et al<sup>6</sup> in dogs reported on histomorphometry of the dental implant bone interface in dogs after one and two years. One of the implants evaluated was the Steri-Oss 3.8mm acid etched implant with the large volume thread design.

Photomicrographs at six months, before loading, from this animal study clearly reveal the external thread pattern and the increased bone volume within the thread boundaries. 50% to 65% of the titanium surfaces were apposed by bone. (Figures 6a and 6b)

After 12 months of loading, osteocytes were routinely observed to be closely associated with the bone implant interface. (Figures 7)

The longer term study by Stefflik et al<sup>6</sup> in dogs reported on the two year after loading histomorphometric results of the Steri-Oss acid etched dental implant bone interface. Computerized morphometric data presented the percent of the implant surface apposed directly by bone. After 24 months of loading, 64.0% of the titanium Steri-Oss acid etched surface was apposed by bone. (figures 8a and 8b)

# Animal



**Figure 6a**

Photomicrographs of the tissue response to an unloaded Steri-Oss titanium acid etched threaded implant. Figure 6a uses normal transmitted light to show the significant amount of bone apposing the implant. However, areas of remodeling are also apparent (arrowhead). Note large bone volume between threads.



**Figure 6b**

Uses Nomarski differential interference of the same area to allow visualization of the banding patterns of the bone. Note large bone volume between threads. Original magnification 35X



**Figure 7**

High voltage electron microscopy demonstrates the direct apposition of human iliac bone to the Steri-Oss titanium implant loaded for 12 months. Osteocytes were found to extend cellular processes directly to the implant surface.

Implant Threaded Area

Area of remodeling

**Figure 8a and 8b**

Photomicrographs of the tissue response to a Steri-Oss acid etched titanium endosseous implant loaded for 24 months: routine transmitted light microscopy, figure (8a), shows significant amount of bone apposing the implant. Nomarski differential interference microscopy of the same area, figure (8b), shows lamellar patterns of the bone. Note large bone volume between threads.



**Figure 8a**



**Figure 8b**

Implant Thread Area

Lamellar Bone

# Clinical

## Five Year Multi-Center Clinical Study Leads to Full ADA Acceptance

An international multi-center clinical study was initiated at three selected sites. The objective of the study was to demonstrate the ability of the Steri-Oss System acid etched threaded titanium implant to restore masticatory function in the partially and fully edentulous patient over a five year period. The study design complied with the ADA acceptance<sup>9</sup> guidelines for dental implants.

This prospective, noncomparative study evaluated the safety and efficacy of the Steri-Oss 3.8 diameter threaded titanium endosseous dental implant with the patented acid etched surface. 524 implants in 196 patients completed at least 5 year post restoration follow-up. The one year success rate was 99.6% and 98.7% after two years. The five year life table success rate was 93.5%. The success rate in the posterior maxilla was 93.1%.

Full ADA acceptance was achieved after the ADA Council reviewed all of the clinical data from this study. This was the first full ADA acceptance granted for an acid etched threaded titanium implant.

## Five Year Post-Restoration Life Table<sup>10</sup> Success Rate

Time Period (Months)	Success Rate Life Table
0 -12 months	99.6%
13 -24 months	98.7%
25 -36 months	96.5%
37 -48 months	94.7%
49 -60 months	93.5%

## References

1. U.S. Patent #4826434
2. SEM study done by Photometrics, Huntington Beach, CA
3. Profilometry study done by Veeco, Tucson, AZ
4. Three dimensional computerized modeling study on file
5. Hurson S, Threaded Implant Design Criteria, Intl J Dent Symp, June 1994, 38-40.
6. Stefflik DE, Parr GR, Sisk AL, Lake FT, Hanes PJ. Histomorphometry of the Dental Implant-Bone Interface: One-Year results of a Comparative Investigation in Dogs. Intl J Oral Maxillofac Implants 1994 5:501-512.
7. Stefflik DE, Sisk AL, Parr GR, Lake FT, Hanes PJ, Berkery DJ, Brewer P. Transmission Electron and High-Voltage Electron Microscopy of Osteocyte Cellular Processes Extending to the Dental Implant Surface. J of Biomaterials Research, 1994 28:1095-1107
8. Stefflik DE, Lake FT, Sisk AL, Parr GR, Hanes PJ, Davis HC, Adams BO, Yavari J. A Comparative Investigation in Dogs: 2-Year Morphometric Results of the Dental Implant-Bone Interface. Intl. J. Oral Maxillofacial Implants 1996, 1, 15-25.
9. ADA acceptance submission on file
10. Life table analysis utilized the product-unit life method of Kaplan-Meier, (1958).
11. "American Seal certifies safety, effectiveness" Dental Teamwork, January-February 1955, 31-32

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# Biomechanical and Histologic Evaluation of the TiUnite and Osseotite Implant Surfaces in Rabbits after 6 Weeks of Healing

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*The TiUnite surface resulted in significantly higher bone-to-implant contact and showed significantly greater stability (resonance frequency) and removal torque value*

## INTRODUCTION

Animal studies have shown that an intermediately rough implant surface results in increased bone-to-implant contact when compared to a smoother surface (Wennerberg et al. 1996). Further, Gotfredsen et al. (1992) suggested that the bone-to-implant contact may be established faster using rough-surfaced implants.

TiUnite™ (Nobel Biocare, Sweden) is a unique oxidized titanium surface (Hall & Lausmaa 2000). It is created through anodic oxidation, resulting in a controlled, gradual increase of the TiO<sub>2</sub> surface layer and surface roughness in the apical direction. It has a designed surface texture including a porous structure. The increased roughness and the porous structure result in an enlarged surface area. A study in rabbits has demonstrated significantly more bone-to-implant contact and significantly higher removal torque values with TiUnite surface implants when compared to the regular, turned or "machined" surface of Brånemark System® implants after 6 weeks of healing (Albrektsson et al. 2000).

Another commercially available intermediately rough surfaced implant is the Osseotite™ (3i, Implant Innovations, USA). Osseotite has a double-acid-etched surface. A human histologic study using titanium mini-implants found significantly more bone-to-implant contact at 6 months for the Osseotite surface (3i) compared to the 3i produced machined surface (Lazzara et al. 1999).

The objective of the present study was to compare bone response to the TiUnite and Osseotite implant surfaces by biomechanical and histologic evaluation in rabbits.

## MATERIALS AND METHODS

### *Test and control implants*

The implants were 7 mm long and 3.75 mm in diameter with two types of surface finishes, the TiUnite™ (Test; Nobel Biocare, Sweden) and the Osseotite™ (Control; 3i, Implant Innovations, USA).

### *Animals and surgical procedure*

This study was approved by the ethical committee at Göteborg University. Eight New Zealand white rabbits were involved in this study. The surgical procedure was performed according to Johansson et al. (1991). During all surgical drilling sequences low rotational drill speeds (not exceeding 2000 rpm) and saline cooling were used. All sites were pre-tapped and counter-sunk. Following randomization, test implants were inserted in one leg and control implants in the other. Altogether 3 implants were inserted per leg: 2 in each tibia (penetrating one cortical layer only) and one in each femur. The animals were sacrificed after 6 weeks of healing.

### *Biomechanical evaluation*

At the time of implant insertion and at the time of sacrifice, the stability of all implants was evaluated us

ing Resonance Frequency Analysis (RFA) according to the technique described by Meredith et al (1997). At the time of sacrifice, the test and control implants placed distally in each tibia were subjected to a removal torque test (Johansson 1991). A specially constructed, electrically-controlled torque unit was anchored to the implant and a gradually increasing torque was applied until the implant came loose. The torque was measured in Ncm.

#### Sample preparation and analysis

The remaining implants were removed *en bloc* and immersed in 4% neutral buffered formaldehyde fixative. Un-decalcified, cut and ground sections were prepared using the Exakt® system (Donath 1986, Johansson 1991). The cured resin blocks with implants and surrounding tissue were cut longitudinally in the band-saw. One central section was taken from each sample. Sections were then ground to a final thickness of 10 µm prior to staining. The sections were stained with 1% Toluidine blue.

Computer-based histomorphometrical analyses were performed in the light microscope as described by Johansson (1991). The histomorphometrical investigations involved quantification of the bone-to-implant contact in each thread around the implant. Mean numbers were calculated for the coronal 1-3 threads, the apical 4-9 threads and over the total length of the implant.

#### Statistical analysis

Statistical analyses of the biomechanical and histomorphometric measurements were performed using the Wilcoxon Signed Rank Test (paired samples). A  $p < 0,05$  value was considered to be a statistically significant difference.

## RESULTS

#### Resonance Frequency Analysis (RFA)

The Resonance Frequency values were similar at baseline for both types of implants. In femoral bone the stability of TiUnite increased significantly more ( $p=0,043$ ) than Osseotite (Fig. 1).

When combining all sites of tibia and femoral bone, TiUnite had significantly higher final stability ( $p=0,030$ ).

#### Torque Removal Measurements

The removal torque values (Fig. 2) were significantly ( $p=0,050$ ) higher for TiUnite implants compared to Osseotite implants.

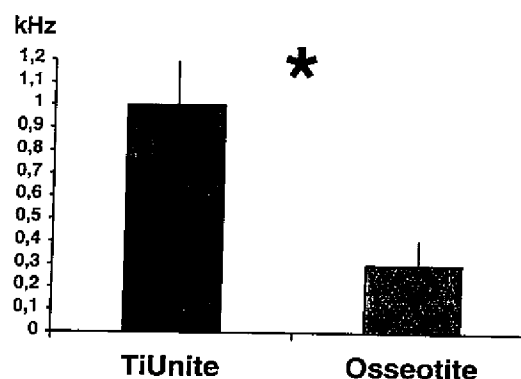


Fig. 1 Resonance frequency change in Femoral bone after 6 weeks.

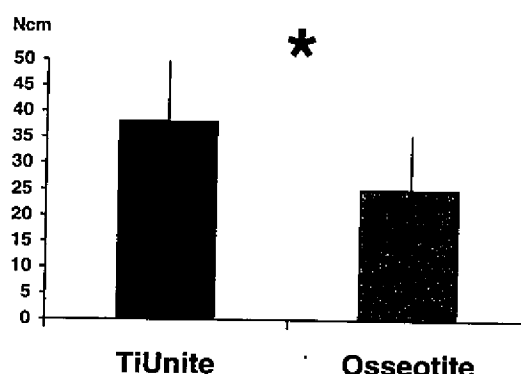


Fig. 2 Removal torque values.

#### Histological Observations

No major qualitative differences in tissue reactions could be observed between the test and control samples. Both implants showed newly formed bone in the majority of the threads (Fig. 3). Macrophages and multinucleated giant cells were occasionally observed but without any dominant inflammatory reaction.



Fig. 3 TiUnite (left) and Osseotite (right) in rabbit femoral bone.

TiUnite showed significantly higher bone-to-implant contact overall ( $p=0,025$ ) and at thread 4-9 ( $p=0,017$ ) in the more trabecular femoral bone (Fig. 4).

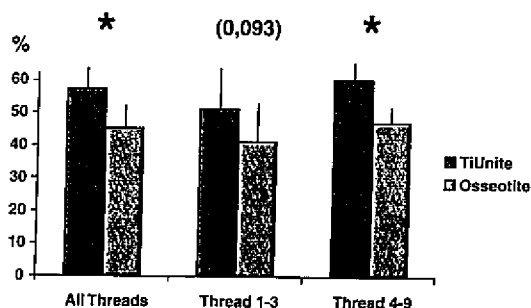


Fig. 4 Bone-to-metal contact in Femoral bone.

Also at threads 1-3 TiUnite showed a numerically higher mean value, although not statistically significant ( $p=0,093$ ). When combining all sites in the tibia and femoral bone (Fig. 5), TiUnite had significantly higher bone-to-implant values overall ( $p=0,015$ ), at threads 1-3 ( $p=0,049$ ) and at threads 4-9 ( $p=0,031$ ).

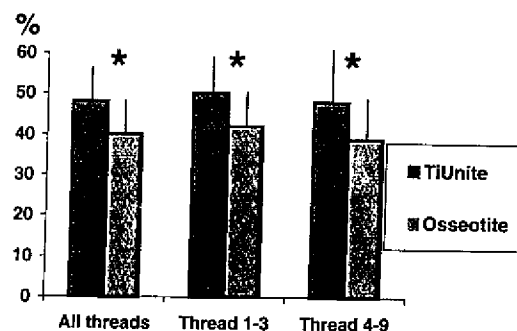


Fig. 5 Bone-to-metal contact in Tibia and Femoral bone.

## CONCLUSION

The TiUnite surface resulted in significantly higher bone-to-implant contact and showed significantly greater stability (resonance frequency) and removal torque values than did the Osseotite surface.

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# Biomechanical and Histologic Evaluation of the TiUnite and Osseotite Implant Surfaces in Dogs

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*TiUnite implant surfaces elicited a significantly stronger bone reaction than Osseotite implant surfaces following ten weeks of healing in the mandible of dogs.*

## INTRODUCTION

A study in rabbits has demonstrated significantly more bone-to-implant contact and significantly higher removal torque values using TiUnite™ surface implants (Nobel Biocare, Sweden) when compared to the regular turned, or "machined" surface of Brånemark System® implants after 6 weeks of healing (Albrektsson et al. 2000). The TiUnite surface is created through anodic oxidation, resulting in an increased TiO<sub>2</sub> layer, surface roughness and an enlarged surface area (Hall & Lausmaa 2000). Another study in rabbits has also demonstrated significantly more bone-to-implant contact and significantly higher removal torque values with TiUnite surface implants when compared to Osseotite™ implants (Gottlow et al. 2000). Osseotite (3i, Implant Innovations, USA) has a double-acid-etched surface.

The objective of the present study was to compare the bone response to the TiUnite and Osseotite implant surfaces by biomechanical and histologic evaluation in dogs.

## MATERIALS AND METHODS

### *Animals and Care*

This study was approved by the ethical committee at Royal Perth Hospital, Western Australia. Ten adult greyhound dogs, in good systemic health, were used in this study. Prior to surgery, the animals were given dry dog food *ad libitum*. Two weeks before the study, the animals' teeth were scaled and cleaned. For 2 weeks

following surgery the animals were fed a soft diet, and then they resumed their normal diet. After surgery, the animals were given streptopen 1.5mg (ratio 200 mg of procaine penicillin/250mg of streptomycin) once daily for 14 days. Oral prophylaxis was administered biweekly using a standard toothbrush with chlorhexidine gluconate gel (0.12%) as a dentifrice. All animals remained healthy throughout the duration of the study.

### *Test and control implants*

The implants were 8.5 mm long and 3.75 mm in diameter with two types of surface finishes, the TiUnite (Test; Nobel Biocare, Sweden) and the Osseotite (Control; 3i, Implant Innovations, USA).

### *Surgical Treatment*

The dogs were anesthetized with thiopental sodium and pentobarbitone sodium, intubated and maintained on a mixture of nitrous oxide and oxygen with halothane general anaesthesia. A local anaesthetic (Xylocaine-adrenaline, Astra AB, Sweden) was administered to the areas undergoing surgery.

Intracrevicular buccal and lingual incisions were made from the mesial of the first premolar (P1) to the distal of the fourth premolar (P4) bilaterally in the mandible. Short vertical releasing incisions were made at the mesial and distal flap extension on the buccal aspect. Full thickness mucoperiosteal flaps were reflected and exposed to the underlying bone. High speed car-



bide burs were used to hemisect P2 - P4 at the furcation, and the roots were separated and removed. The crest of the residual ridge was smoothed to eliminate the irregularities related to the extraction procedure and the wound closed with interrupted sutures.

At 8 weeks post extraction, midcrestal, full thickness mucoperiosteal flaps were reflected at both sides of the mandible and test and control implants placed using the protocol *ad modum* Brånemark (Adell et al. 1981). The surgical randomization allowed for contralateral pairings (test and control) selected for subsequent torque test removal or histology. All implants were placed using Osseocare™ instrumentation with insertion torque profiles recorded.

#### Specimen Retrieval

At 10 weeks post-surgery, the animals were anesthetized as previously described. The implants designated for removal were connected to a torque removal device (Mitutoyu, Japan) according to the method previously described by Johansson and Albrektsson (1991). Reverse torque was applied until the implant de-integrated.

The anesthetized animals were sacrificed with an overdose of barbituates and perfused with 10% neutral buffered formalin. Block sections of implants and adjacent bone were removed and fixed in 10% neutral buffered formalin.

#### Histologic Evaluation

Following fixation, the specimens were rinsed in water, dehydrated in ethanol, and pre-infiltrated with diluted methylmethacrylate, followed by infiltration with pure methylmethacrylate for 14 days prior to polymerization. The implants were sectioned in the sagittal plane, ground to 10µm, and stained with 1% toluidine blue as described by Donath (1986). The sections were analyzed in a light microscope connected to a computerized system as described by Johansson and Albrektsson (1991). The histomorphometrical investigations involved quantification of the bone-to-implant contact in each thread around the implant. Mean numbers were calculated for the coronal 1-3 threads, the apical 4-9 threads and the total length of the implants.

#### Statistical analysis

Statistical analyses were performed using the Wilcoxon Signed Rank Test (paired samples). A  $p < 0.05$  value was considered to be a statistically significant difference.

## RESULTS AND DISCUSSION

#### Removal Torque Measurements

The removal torque values (Fig. 1) were significantly ( $p=0.004$ ) higher at TiUnite sites than at Osseotite sites. This finding concurs with the corresponding results in the previous study in rabbits (Gottlow et al. 2000).

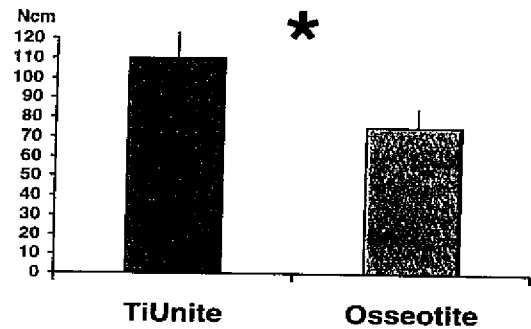


Fig. 1 Removal Torque Values (Ncm).

#### Histologic Observations

No major qualitative differences in tissue reactions could be observed between the test and control samples. Both implants showed newly formed bone in the majority of the threads (Fig. 2). Histomorphometrical data point in the same direction as removal torque figures, but will be published elsewhere.

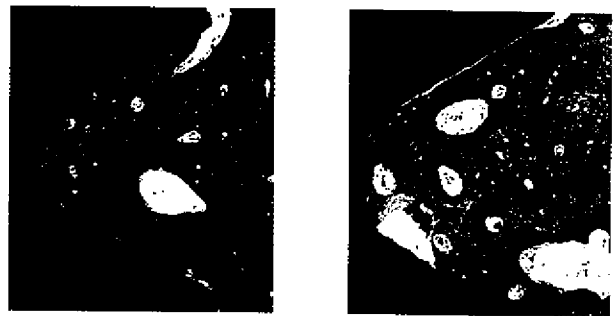


Fig. 2 TiUnite (left) and Osseotite (right) in dog femoral bone.

## CONCLUSION

The present study showed that the TiUnite implant surfaces elicited a significantly stronger bone reaction than Osseotite implant surfaces.

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## The ITI® Straumann SLA Surface

### Summary

ITI® dental implants have used a titanium plasma-sprayed surface since the first ITI® implant was inserted in 1974. Research on surface treatments for titanium identified a SAND-BLASTED LARGE GRIT ACID-ETCHED surface in 1990 which showed promise as a surface for anchoring dental implants in bone.

The properties of the surface were compared with the titanium plasma-sprayed and other surfaces used on dental implants in a series of in vitro and in vivo tests. The SLA surface, patented by Straumann, performed well in cell cultures, in bone histology, and removal torque tests in animals. The advantages in any one test over the titanium plasma-sprayed surface were slight, but the whole set of results taken together suggest that the SLA surface may osseointegrate faster and could further improve the performance of the ITI® dental implants.

First results from clinical trials with a healing time of 6-8 weeks before restoration indicate that these shortened healing times will become standard treatment in the future.

### Introduction

Titanium is the material of choice for endosseous implants because of its biological acceptance in bone. It has a high corrosion resistance and produces no overt adverse hypersensitivity, allergic or immunologic reactions<sup>1</sup>.

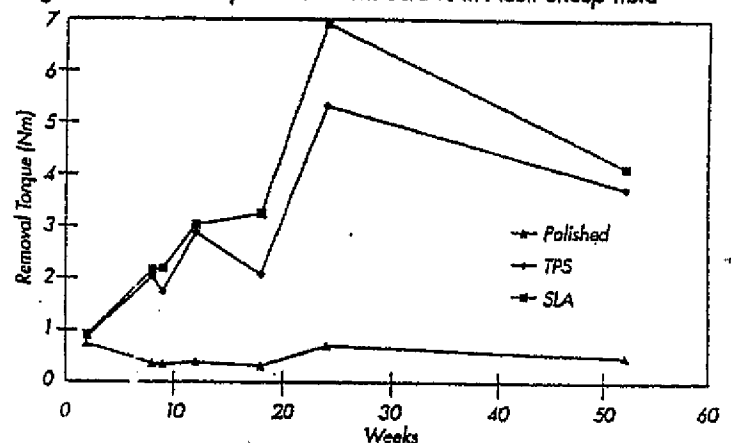
ITI® implants have used the same titanium plasma sprayed-surface, TPS, for the endosteal portion since the first ITI® implant was inserted in 1974. The surface is highly reliable as has been demonstrated in a recently published long-term study on ITI® dental implants<sup>2</sup>.

Despite the success of this surface, the ITI® and Straumann have been working for almost ten years on a new, improved surface treatment for the endosteal portion of the ITI® implant. A surface treatment was developed and tested in vivo in 1990. This experiment provided the first suggestion that this surface could perform as well as or better than the TPS surface<sup>3</sup>. The removal torque of titanium screws implanted in adult sheep tibia was measured as a function of healing time. The results clearly showed that the rough, titanium plasma-sprayed surface and the new surface were more securely osseointegrated than the smooth, polished titanium surface (figure 1).

A histomorphometric study in miniature pigs confirmed that this new surface had promise as a surface treatment for endosseous implants<sup>4</sup>. The surface is a sand-blasted large grit acid-etched surface, which was

These early experiments on the surface encouraged Straumann to initiate a research programme on the SLA surface. This folder summarizes the results of the relevant ITI® Straumann research.

Fig. 1.: Removal Torque of Titanium Screws in Adult Sheep Tibia



### Research on the SLA surface

#### Surface topography and chemical composition

Two kinds of surfaces are commonly used for the endosseous portion of dental implants. These are machined surfaces and the titanium plasma-sprayed surface. Scanning electron microscope (SEM) pictures of these surfaces and the SLA surface are shown in figure 2. The SLA and the TPS surface are clearly very rough compared to the machined surface.

The TPS surface is obtained by thermal spraying of titanium onto the titanium metal implant. The SLA surface is produced by a large grit blasting process which produces a macroroughness on the titanium. This is followed by an acid-etching step which forms the micropits seen in the SEM pictures. The SLA surface is not a coating and does not have the semiporous structure of the TPS surface.

The chemical composition of machined, TPS, and SLA surfaces was found to be titanium oxide using X-ray photoelectron spectroscopy. This method analyses the first few atomic layers of the surface, and thus the chemical composition of the material, which is in direct contact and inter-

Fig. 2.: Scanning Electron Micrographs

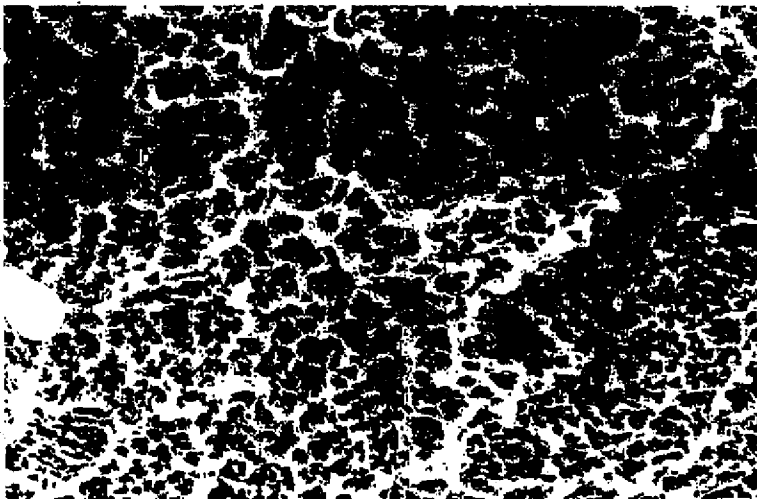
Machined titanium



TPS surface



SLA surface



### Effect of surfaces on cell behaviour

The first reaction between the host and the implant is conditioned by tissue fluids. This produces a layer of macromolecules and water, which influences the behaviour of cells when they encounter the surface. Following these events, a series of cell/surface interactions take place leading to the release of chemotactic and growth factors, which modulate cellular activity in the surrounding tissue. Because the surface chemical composition of all titanium surfaces is almost identical, any differences in cell modulation are most likely to be due to variations in surface topography.

Surface roughness was shown to have an effect on the proliferation, differentiation, and protein synthesis of human osteoblast-like cells<sup>3</sup>. For instance, alkaline phosphatase activity<sup>4</sup> was affected by surface roughness. Alkaline phosphatase is an enzyme indicative of differentiated osteoblasts. Alkaline phosphatase matrix activity was higher on the SLA than on the TPS surface.

Fig. 3.: Effect of Surface Treatment on PGE Production

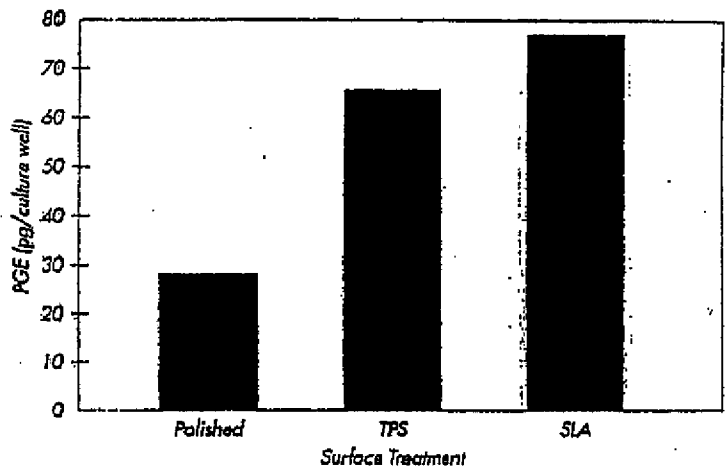
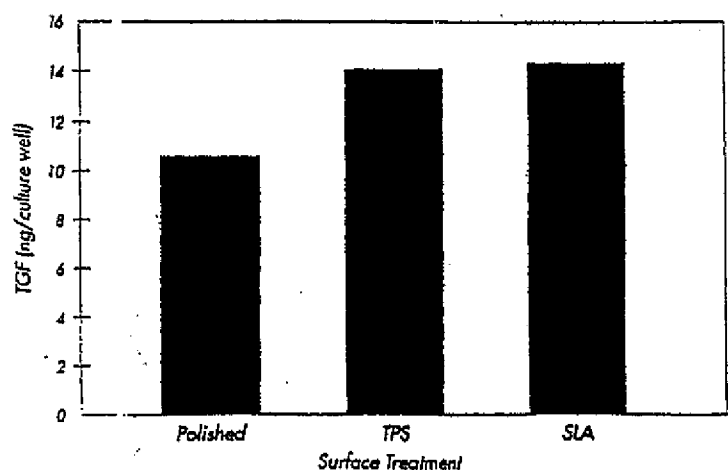


Fig. 4.: Effect of Surface Treatment on TGF-Beta Production



Kieswetter et al.<sup>6</sup> looked at cytokines and growth factors, which could influence the quality, extent, and rate of bone formation at the bone/implant interface. Prostaglandin E<sub>2</sub>, PGE<sub>2</sub>, and transforming growth factor  $\beta$ , TGF- $\beta$ , are two local factors produced by osteoblasts important in promoting wound healing and bone formation. The effect of surface roughness is greater for PGE<sub>2</sub> than for TGF- $\beta$ ; the differences in the measured values between the TPS and the SLA surface were not significant.

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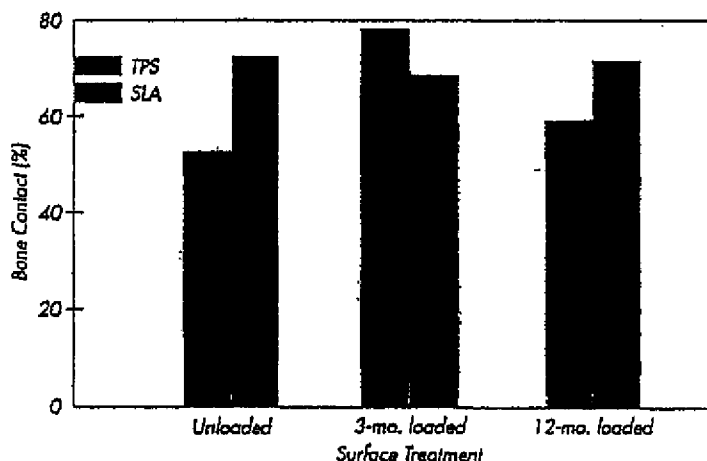
The titanium surface affects the production of osteoblasts by local factors involved in bone formation, which suggests that the autocrine and paracrine parameters produced by cells on the implant surface can be directed by the implant surface chosen. Although the effects of the surface on the production of cytokines, growth factors, and other factors by the cells are not fully understood, it is clear that the surface modulates cell behaviour. This may explain the differences in bone formation observed *in vivo* adjacent to surfaces.

### *In vivo* experience with the SLA surface

The early experience with the SLA surface in sheep tibia suggested that this surface could, in some aspects, be an improvement on the TPS surface. The cell culture studies found differences between the cell response to these two surfaces, and that both these surfaces were much different to smooth surfaces.

Figure 5 shows the results of a histomorphometric study on TPS and SLA surfaces in the canine mandible<sup>7</sup>. The implants were placed in a single-stage procedure, and evaluated after a 3 months healing period, after 3 months healing followed by 3 months loading, and after 12 months loading. The differences were significantly different at the unloaded and the 12 month loading stage. The results confirm the Wilke et al.<sup>3</sup> results, showing high bone contact values for both the surfaces, with the SLA surface again showing a greater implant/bone contact at the shortest time.

Fig. 5.: Implant/Bone Contact in the Canine Mandible



A study on the effect of the surface on removal torque values of unloaded titanium implants placed in the maxilla of miniature pigs investigated the differences between machined, the TPS, and the SLA surface at short healing times. The results presented in figure 6 show that the two rough surfaces were clearly superior to the machined surface; the torque required to screw the implant out of the bone was significantly greater than for the machined surface<sup>8</sup>. The removal torque is a measure of the degree of osseointegration.

In a similar experiment, the removal torques were determined for two acid-etched implants placed in the mandibles of miniature pigs. The implants were a standard 10 mm Implant Innovations Inc. Osseotite<sup>®</sup> dental implant and an implant with a standard 8 mm ITI<sup>®</sup> solid screw thread with a SLA surface. The results are shown in figure 7. The differences between the Osseotite<sup>®</sup> and the ITI<sup>®</sup> SLA implant are significant at all healing times, as is the increase in the removal torque for the ITI<sup>®</sup> implant thread between 4 and 8 weeks<sup>9</sup>.

Fig. 6.: Removal Torque of Implants in the Porcine Maxilla

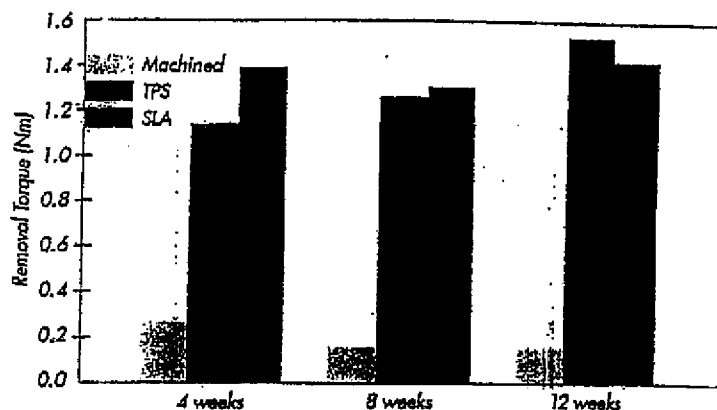
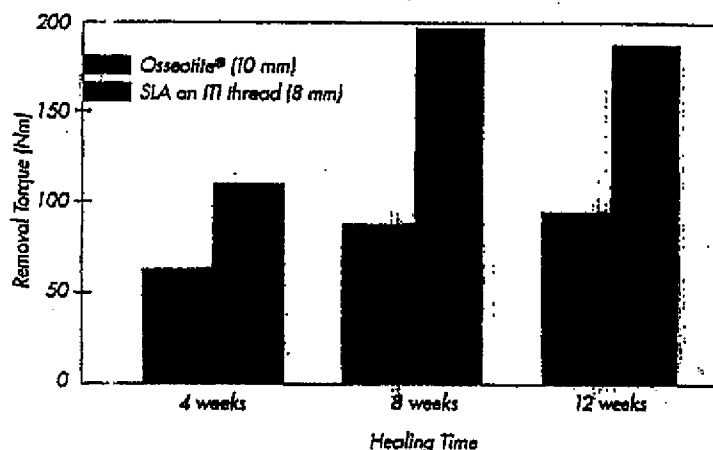
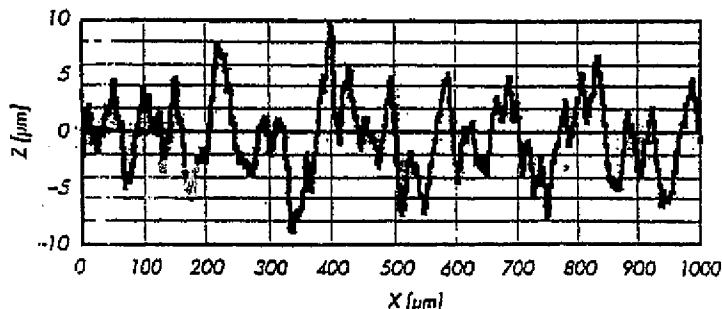


Fig. 7.: Removal Torque of Titanium Implants in the Porcine Maxilla

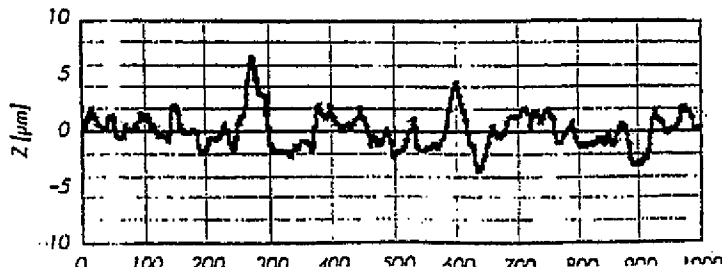


The profilometer traces in figure 8 show the differences in roughness between the SLA surface and the Implant Innovations Inc. Osseotite<sup>®</sup> surface, which may explain the difference in performance of the two implants

Fig. 8: Roughness profiles  
SLA surface



Osseotite<sup>®</sup> surface



## Conclusions

The surface topography of the endosseous dental implant is capable of modifying the response of the cells and bone tissue at the bone/implant interface. The performance of rough surfaces is superior to smooth surfaces with respect to bone contact levels and removal torques. Cell culture studies found that surfaces modify the phenotypic expression of osteoblasts, suggesting that the histological and biomechanical performance may be explained by surface-modulated cellular processes. The SLA surface, throughout all the tests, taking all the tests together, performed better than the other surfaces tested.

The success rate of dental implants is high, success rates in excess of 95% at 5 years have been quoted in the literature for several implant systems; the TPS-surfaced ITI® dental implant has a success rate of 97.3% at 5 years<sup>2</sup>.

The wide range of surfaces capable of achieving these high success rates suggest that the long-term success is due to the titanium itself; all titanium surfaces are chemically identical. An SLA surface can thus be expected to have an excellent long-term prognosis. The most important property of this surface, which is relevant to implant design and use, is its high load-bearing capability, as demonstrated by the removal torque values. This had to be shown to be at least as good as that for the TPS surface in order for the SLA surface to be considered as an alternative. There is also the possibility that osseointegration may proceed faster on this surface, as indicated by the removal torque and histomorphometric studies and suggested by the cell studies, allowing earlier loading of the implant.

## The future

Straumann believes the use of the patented SLA surface<sup>10</sup> on ITI® implants would allow a routine reduction of healing times to 6–8 weeks before loading. A clinical study is currently running to demonstrate this. Although the results to date would support healing times of 6–8 weeks, results of this study are going to be first presented later in 1998 when more data will be available. ITI® SLA surface dental implants will be available later this year in the US, followed by other countries early in 1999. These implants will allow full restorative loading of the implants 6 weeks after implant insertion in suitable cases.

J. Simpson, D. Snéily  
May 1998

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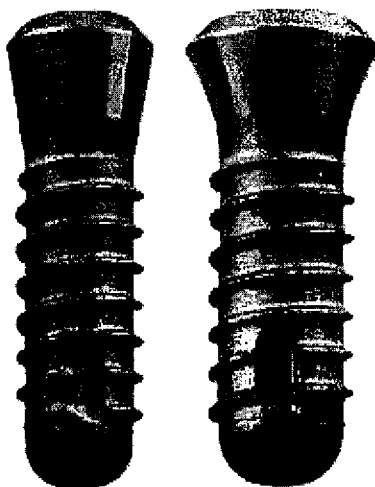
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## STAGE-1 Single Stage Implant System

### RBM Textured Titanium Implants

#### The LIFECORE® RBM Surface Advantage...

The LIFECORE STAGE-1 RBM Single Stage Implant System combines the clinical advantages of Lifecore's F surface and a reliable internal locking prosthetic connection. The STAGE-1 System is designed to simplify the implant procedure for both the clinician and the patient. By eliminating the need for a second stage surgery, treatment chairtime and patient trauma is reduced. Restoratively, the STAGE-1 System provides esthetic rest using simple restorative procedures with minimal components and instrumentation required.



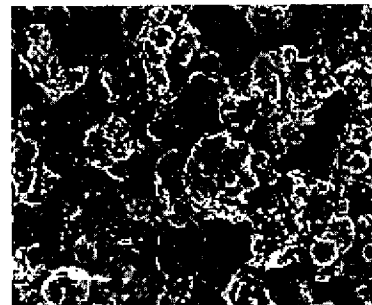
- ▶ Internal locking taper connection for prosthetic reliability
- ▶ Available in regular and wide prosthetic connections with choice 1.8mm esthetic or 2.8mm collar heights
- ▶ Smooth flared neck for natural emergence profile and soft tissue management
- ▶ Lifecore RBM Surface for optimal bone response
- ▶ Specially designed apical flute for easy insertion into the bone

### Defining the Optimal Surface

To support the development of enhanced implant surfaces, numerous studies have been conducted to identify the optimal surface geometry for improved mechanical stability and bone-to-implant contact. It has been shown that roughened titanium surfaces can improve the clinical prognosis for implants, as compared to the traditional smooth titanium surface.

#### The LIFECORE RBM Process

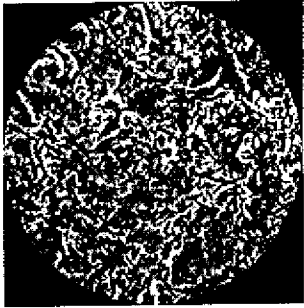
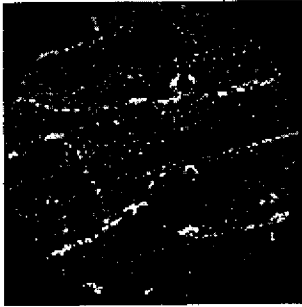
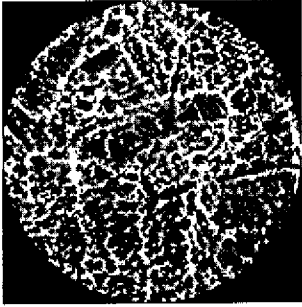

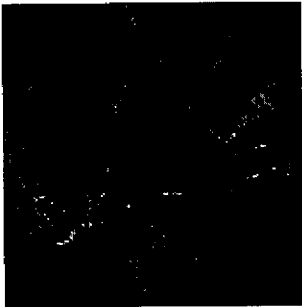
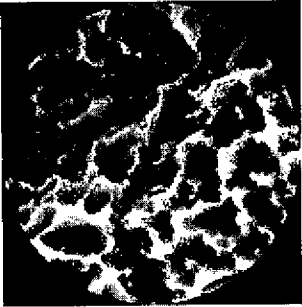
1. The LIFECORE RBM process begins with a traditional machined titanium implant.
2. The implant is then blasted with calcium phosphate ceramic.
3. After blasting, the implant is passivated (in accordance with established standards, ASTM F-86) to completely remove residual media. This passivation is not an acid-etch procedure and does not affect fatigue strength of the implant by attacking the titanium. The RBM media has the added benefit of being a completely biocompatible material that is easily removed from the surface during the passivation process.
4. Following passivation, the implant undergoes a validated cleaning process to ensure a contamination-free titanium surface.
5. The implant is then packaged under clean-room conditions and gamma sterilized.



## Lifecore RBM Surface:

- ▶ Achieves optimal surface for osseointegration
- ▶ Provides increased mechanical fixation and bone-to-implant contact
- ▶ Uses only biocompatible media (calcium phosphate ceramic) for surface roughening
- ▶ Calcium phosphate media is fully resorbable permitting its complete removal after surface blasting. The result is a clean, textured, pure titanium surface

## Comparison of Surface Treatments

LIFECORE RBM Surface	3i <sup>®</sup> Osseotite <sup>®</sup> Surface	Straumann <sup>®</sup> SLA Surface
		
500x	500x	500x
		
2000x	2000x	2000x
<ul style="list-style-type: none"> <li>• Uniform roughness throughout surface</li> <li>• Optimal Surface Roughness</li> <li>• No particulate contamination</li> </ul>	<ul style="list-style-type: none"> <li>• Minimal surface roughness</li> <li>• Susceptible to grain boundary attack due to HCl/H<sub>2</sub>SO<sub>4</sub> etching</li> <li>• Potential for residual acid contamination resulting from acid etching</li> </ul>	<ul style="list-style-type: none"> <li>• Even roughness</li> <li>• Sharper edges on etched surface can be fragile and require special handling</li> </ul>